

AUTOMATION CATALOGUE
2024

Gates automation, garage doors automation
and industrial closures. Automatic barriers.

CAME 

GENERAL INDEX AND LEGEND OF SYMBOLS



News



This operator is tested in conformity with EUROPEAN STANDARDS on impact forces



Gearmotor or operator with ENCODER



The 24 or 36 V DC gearmotors are designed for INTENSIVE DUTY and are guaranteed to work even during power outages. This icon also means that a product is powered by low voltage.



This product is designed to fit the RIO System 2.0-series, 806SS-0040 snap-in card.



The 230 – 400 V AC TRI-PHASE versions are ideal for INDUSTRIAL use as they guarantee greater gearmotor starting thrust



This product features BRUSHLESS technology



This CORDLESS product is battery-powered and wireless



Product compatible with 2-wire connection technology CXN BUS



This WIRELESS product is battery-powered and operates with radio technology



Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY

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A NEW WAY OF THINKING, **A NEW WAY OF DOING**

If we think differently, we act differently, in a way that simplifies the lives of people and improves the work of professionals, creating skills and investing in research generating global solutions.

We help our end customers by providing them with safe, efficient and convenient solutions to improve the quality of their living spaces, whether private or public.

We do this thanks to the know-how and expertise of our global network; we are a global benchmark for automation, smart homes, access control and security, and parking systems.



VISION

We believe in a world
where sustainable technological innovation
makes people's lives
more comfortable, simple and secure

MIS SION

To create a global offer
of high-quality technological products and solutions
for automation, smart homes, access control and security
to improve our customers lives
and our partners business

FOREVER INNOVATORS

For over 50 years, we at CAME have designed and produced high-quality technological products and solutions for the comfort and security of people in residential, public and business environments.

Thanks to the trust of our customers, we have become a go-to brand and global partner for automation, smart homes, access control and security, and parking systems.

We have capitalised on our experience and built quality relationships with many professionals, who have become ambassadors of CAME's values, bringing cutting edge technology into the lives of our customers around the world.

Our innovations translated into solutions for people become strategic for defining the scenarios of planning and living the future.



RESIDENTIAL SOLUTIONS



We have gone on to develop an idea of home automation that is increasingly integrated and connected with people's lives. Today, automation is at the heart of the home, managing entrances and garage doors, controlling blinds and shutters, video entry systems and climate control.



BUSINESS SOLUTIONS



For every public area, we offer the most sophisticated systems for pedestrian and vehicle access control and security, video entry systems and parking solutions. Small and large companies, commercial enterprises, large buildings: CAME-branded automation provide control and safety in both small and large working environments.

URBAN SOLUTIONS



The complexity involved in living spaces and in mobility flows require ever greater protection and security, plus enhanced reactive capacity and greater know-how. Our offer is geared to meet the different automation needs for urban planning and architectural scenarios. CAME solutions are engineered for managing safety and control in large works and for contributing to the planning of urban spaces making them "Safe and Smart", as called for in today's fast-paced, metropolitan centres.



AUTOMATION

Our market experience enables us to provide a complete, state-of-the-art range of automation for gates, garage doors, industrial sectional doors and automatic barriers. The Connect technology fitted into these operators lets you manage all features in remote mode. This is quite an advantage for both end users and installers, who can provide assistance also remotely.

Safety, design and innovation are the hallmark of all our products, which are designed to be integrated into any type of building.





AUTOMATION FOR SWING AND SLIDING GATES

CAME's wide range of automation solutions makes it possible to make all types of entrances smart and secure, while ensuring maximum reliability at all times.



AUTOMATIC BARRIERS

CAME barriers for vehicle access control can be used in residential, industrial and urban contexts. Thanks to Made in Italy quality and constant investment in research and development, our barriers offer a high level of performance to ensure maximum efficiency of service in all contexts, including intensive use.



AUTOMATION FOR GARAGE DOORS AND INDUSTRIAL DOORS

Our highest aesthetic, technological and quality standards make it possible to integrate garage doors and industrial sectional doors with the most modern residential architecture.

SMART HOME

Today homes are increasingly connected to people, their needs and lifestyles. Smart technologies are capable of automating a number of activities in order to provide greater comfort and convenience. QBE by CAME is the wireless solution that interacts with awnings, shutters, lights, home climate control,

and all home automation devices. All these devices can be managed remotely, directly on smartphones and tablets or by voice commands, thus creating a true home automation system for an increasingly smart home.





VIDEO ENTRY SYSTEMS

Our range of video entry systems features an exclusive design and an innovative technology, combining advanced performance with the maximum ease of installation and use. We offer a wide range of entry panels, video and audio receivers designed to meet every need and offer advanced features, such as the ability to answer the door calls directly from your smartphone even when you are away from home.



CLIMATE CONTROL

We offer a broad range of thermostats and chronothermostats that are suited for any type of installation thanks to their reliability, user-friendliness and design, to offer maximum convenience and save energy.



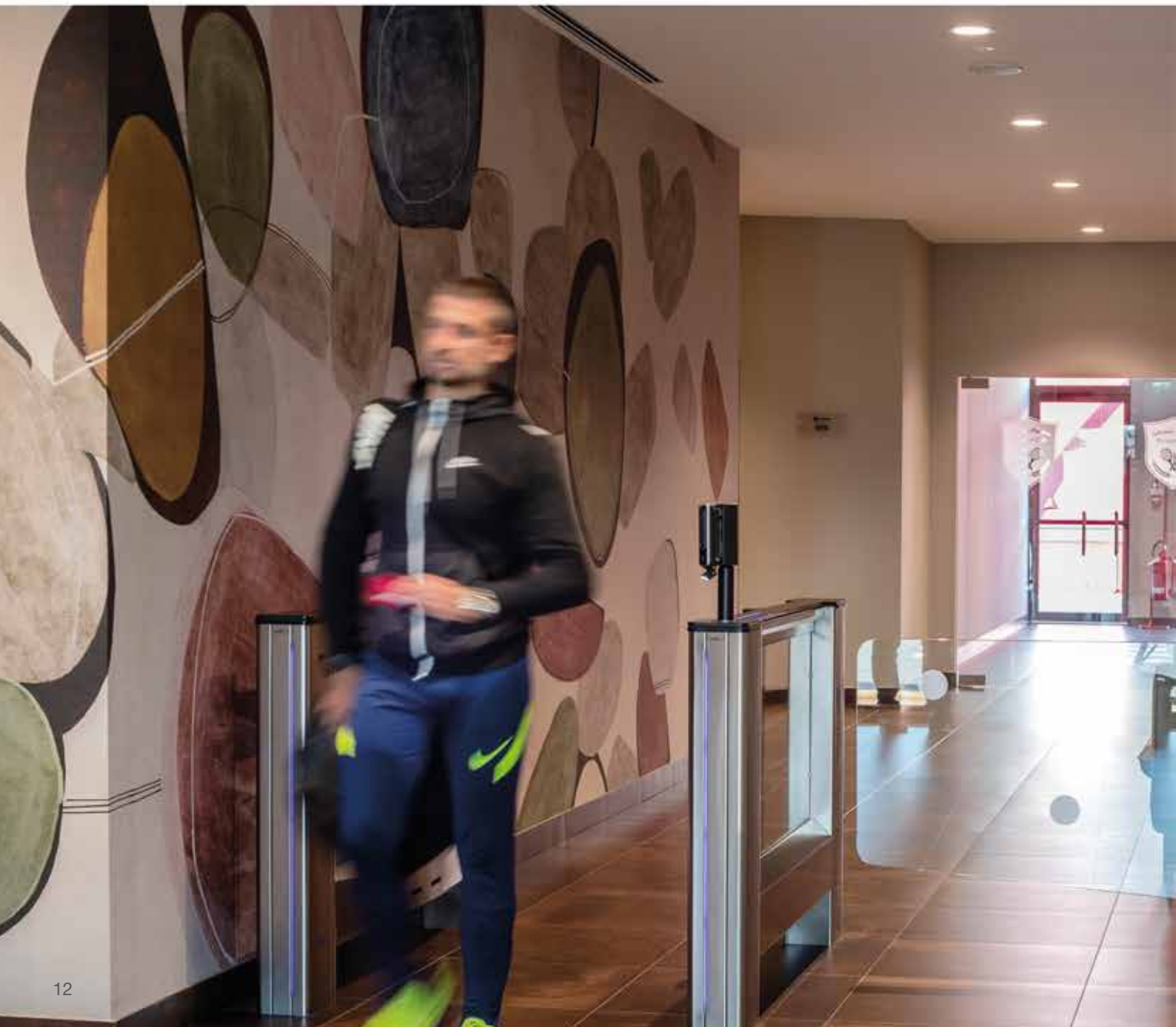
AUTOMATION SOLUTIONS FOR AWNINGS AND SHUTTERS

We have devised a wide range of automation solutions for awnings, shutters and blinds, all cutting-edge and ideal for residential, business and industrial settings.

ACCESS CONTROL

Our experience, competency, and innovation drive us to provide world-class, cutting-edge solutions for controlling busy access points, exposition and urban venues.

We offer access control solutions with a sophisticated design, but above all open to the integration with third-party technologies.





SPEED GATES

The compact design and fast opening speed make speed gates the ideal solution for settings where the flow of people is high and security must be provided efficiently. They are used in crowded places such as train stations, airports, shopping malls and entertainment venues and can be integrated with biometric recognition systems, smart cards or QR codes, providing an additional level of security.



FULL-HEIGHT TURNSTILES

Full-height turnstiles are the ideal solution to ensure pedestrian access control and maximum security for the places and people inside them. They are suitable for facilities such as stadiums, airports, stations, sports facilities or governmental offices.



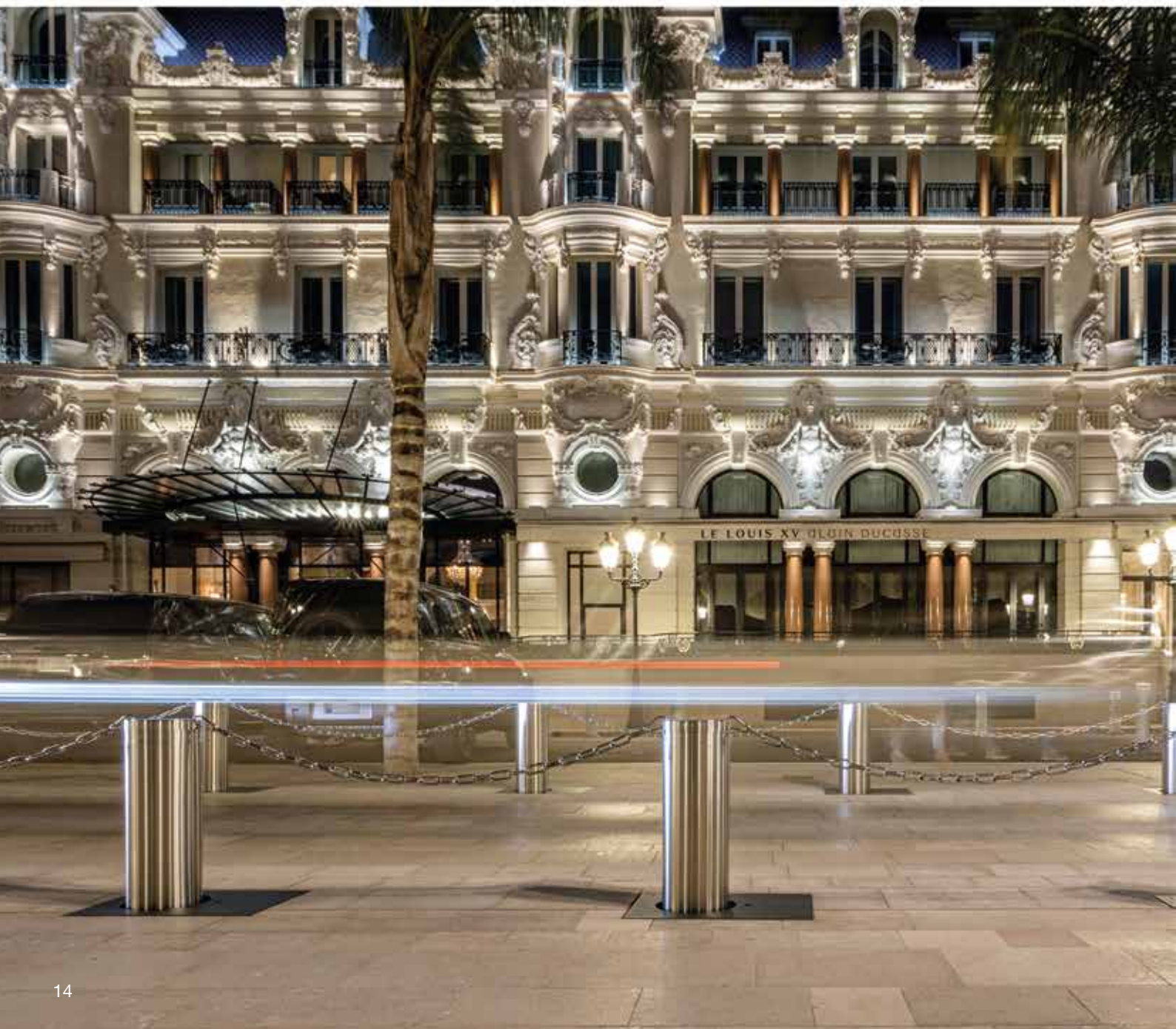
ACCESS CONTROL SYSTEM

CAME offers solutions for the management of both pedestrian and vehicle access points combining ease and versatility of use. These flexible systems make it possible to control both a single gateway and a multiaccess system, ensuring that up to 10,000 users can be managed at each site.

SAFETY

Managing sustainable mobility and urban traffic control are issues that concern us all. Since the first bollard was invented, we have striven to make urban spaces safe and smart, transforming them into reliable and safe places.

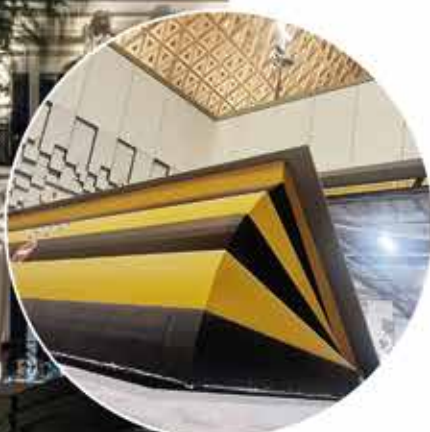
Our innovations aim to redefine urban mobility with high-tech solutions, designed for the security of sensitive areas and the control of restricted traffic zones.





BOLLARDS

Automatic bollards are used to prevent vehicles from parking in private areas or in areas where parking is not allowed or to prevent access to restricted traffic zones. They can also be used to provide security in places at risk of break-ins by ram vehicles. CAME's offerings include various types of bollards depending on the use and the level of protection required.



ROAD BLOCKERS

CAME road blockers are hydraulic devices made of high-strength steel, which are also available in a lowprofile version to limit the depth of the underground installation space and facilitate installation even in the presence of cables and pipes. The number of our international certifications received after brilliantly passing rigorous crash tests testify to CAME's commitment to security.



MANAGEMENT SOFTWARE

CAME software, with open protocols such as Modbus, ONVIF, Web Service, is perfectly integrated with the most modern technologies for intelligent city management.

PARKING SYSTEMS

Our decades-old experience allows us to offer cuttingedge, high-tech solutions for controlling urban spaces and parking facilities in public areas according to the principles and needs of any Smart City.

CAME anticipates customer needs, responding with innovative software solutions and a wide range of offstreet products and services.

We challenge ourselves every day with the quality of our solutions to simplify and increase the efficiency of parking facilities by improving profitability, control and performance.





ZERO KM SERVICE

Zero KM Service, the new service concept for parkings, is a revolution in the world of parking, improving the performance of systems, guaranteeing the operator full autonomy in the maintenance service.



MANAGEMENT SOFTWARE

Lince is CAME's universal parking management software. It is flexible and highly customisable and combines all the functions of parking management, monitoring and payment services, including integration with products and services offered by third parties.



OUR WORLDWIDE NETWORK

BRANCHES AMERICA

Brazil

Chile

Mexico

Perù

USA

Canada

CAME is a technological partner for those projects that require integrated systems for improving the quality of our living spaces, whether private or public, with products designed for controlling the home, managing urban and business environments.

We are a worldwide network. From our Treviso Headquarters, the heart of the Group, we coordinate **10 manufacturing plants** and **4 R&D centres**. We have more than **25 subsidiaries** and **40 warehouses worldwide**.

Thanks to our commercial partners and distributors, **we operate in more than 110 countries** with an integrated and global vision.

Our Group shares common goals, which go well beyond our respective specializations: thanks to the synergies that exist among all the divisions and brands, we share a modus operandi that enriches our diversity.

CAME 

CAME  URBACO

CAME  BPT

CAME  PARKARE

CAME  ÖZAK

CAME  KMS

CAME  NEPOS

CAME  ENTROTEC



2022 TURNOVER
(MLN EUROS)



PRODUCTION
PLANTS



R&D CENTRES



DIRECT
BRANCHES



COUNTRIES WITH
PARTNERS AND
DISTRIBUTORS



WAREHOUSES IN
THE WORLD

BRANCHES EUROPE

| | |
|-------------|----------|
| Italy | Poland |
| Belgium | Portugal |
| Croatia | Russia |
| France | Spain |
| Germany | UK |
| Ireland | Turkey |
| Netherlands | |

CAME HEADQUARTERS

Treviso, Italy

BRANCHES ASIA

United Arab Emirates
India
China

TRAINING THAT MAKES A DIFFERENCE.



TRAINING LAB

Professionals have a tough job, which always requires upgrading and updating.

Technical and product developments are not the only issues; the keys to success are a deep regulations knowledge and a strong relationship with customers, that are always more demanding for efficient services.

TRAINING LAB is the online platform dedicated to all professionals who would like to keep up-to-date with new CAME technologies in a simple and convenient way.

It is designed to enhance the experience of CAME technicians around the world and is available in several languages.

A unique tool to enhance professional skills, always available through in-person courses, online webinars and e-learning programs.

Sign up and see the list of available courses:
<https://traininglab.came.com/global>

A TEAM OF PROS

CAME offers to installers its own team of trainers, composed by technicians specialized in each product lines. All the trainers are internal staff members with great know-how and experience on projects, sales and technical issues. Each course provides the attending professionals with all is necessary for their job, so they can stay abreast of the latest market developments.

TRAINING COURSES.

INVESTING IN YOUR STAFF
BUILDING YOUR BUSINESS

CAME TRAINING TEAM



FOR INFORMATION AND REGISTRATION:

Upon request, CAME will design and deliver courses, tailored around your needs, by setting up the learning path, course schedule and locations.

The training program also continues online, thanks to the webinar formula for in-depth analysis of all CAME topics.

A complete and constantly updated calendar, with schedules compatible with the work of our partners and automation professionals, to offer continuous and tailor-made updating solutions.



Send your request to
traininginternational@came.com



Call for more information at
+39 0422 15 69 511 during
business hours.

Sign up and see the list of available
courses:
<https://traininglab.came.com/global>



CONNECT



INSTALLER

Configuration
Access
Monitoring
Maintenance



ADMINISTRATOR

Users management
Monitoring
Maintenance requests



CLIENTE

Access

CONNECT is the CAME technology that allows to manage operators that improve the quality of life. The operators connected over the Internet offer added value for the user and open up new horizons for the installer's business.

Presented in 2015 and used by thousands of installers worldwide, CONNECT is now even more practical, more performing and more secure.

CAME has chosen to develop internally the technologies necessary to manage data flow and protection. No external agency processes the information, no server is located in remote locations around the world.

An innovative technological heart, to ensure high security and reliability. CAME has invested in research and development with the aim of simplifying the installer's work, improving user experience and offering new digital services.



CONNECT MEANS

All products marked by the new blue icon use **CONNECT** technology. They are designed for local and remote digital control and make all advanced services available through the Internet connection.

INTERNET

connection via CAME gateways

COMPATIBILITY

with new quick-coupling gateways

CONFIGURATION

and setup from smartphone
with KEY CAME

REMOTE CONTROL

for the user through Apps



CONNECT TO THE INSTALLER'S SERVICE

Connected operators can be managed remotely via PC or smartphone. The CONNECT platform enables automatic programming via QR code of the radio controls, their remote insertion or deletion, without having to be near the operator. A portal is also available for the management of customers and installed systems and scheduled maintenance, for monitoring the status of devices with receipt of notifications in real time.

CONNECT allows the installer to offer a complete 24/7 service becoming the trusted partner for his customer.



PC PLATFORM
came.com/connect



SMARTPHONE APPS
Connect SetUp



CONNECT TO THE ADMINISTRATOR SERVICE

Essential for the condominium administrator, building manager or the system owner, the CONNECT platform allows to enable the accesses and program the remote controls.

The system administrator can also monitor the operator status and receive notifications in the event of malfunctions, if any.

It can send on-site service requests to the installer or enable remote diagnosis.



PC PLATFORM
came.com/connect



SMARTPHONE APPS
Connect SetUp



CONNECT TO CUSTOMER SERVICE

Through the free Apps that can be installed on any Android or iOS smartphone, the user can control the devices remotely.

The App Automation allows to control all connected operations with a single smartphone, through simple and intuitive commands.

Thanks to the geolocation function, it also allows to set the automatic opening and closing, based on a customizable proximity radius.



HOW CONNECT WORKS

To enable CONNECT services, each automation must be equipped with a GATEWAY or SLAVE module for radio connection.

Besides the plug-in GATEWAYS that use Wi-Fi technology, CAME also offers a practical GSM GATEWAY which guarantees the most complete autonomy of operation thanks to the mobile phone connection.



CAME KEY FOR AN EVEN SIMPLER INSTALLATION

CAME KEY is the new working tool designed to streamline installation, programming and management of automated operators.

By exploiting the WiFi communication between CAME KEY and smartphones, the device serves as an interface between the control board and the CONNECT SetUp APP, allowing you to access the control panel functions to adjust the system's parameters.

CAME KEY reduces job times when operators are installed in hard-to-get places, and, allows installers to do the all of the following:

- Update firmware on the control board for new features.
- Manage all operator parameters, which are organized by type.
- Check maneuvers for scheduled maintenance.
- Duplicate radio-frequency controls via QR code.



CAME KEY is compatible with all products marked with this symbol:

Download the CONNECT SetUp app from:





**WI-FI INTERFACE TO SET UP
OPERATORS**

806SA-0110

THE BENEFITS

- Compatible with all control boards that are CAME Connect compatible.
- Guided set up for quick and simple commissioning.
- Backup settings to the CAME Connect cloud.
- Auto-detection of the control board.
- Settings and operators are organized by customer.
- Easy settings, thanks to the app's clear, intuitive graphical interface.



AUTOMATIC BARRIERS

NEWS

N

GARD LT4



QUALITY AT THE BEST VALUE

GARD LT4 is the automatic barrier for passage widths from 2.5 to 4 meters that combines CAME's usual reliability with excellent commercial value.

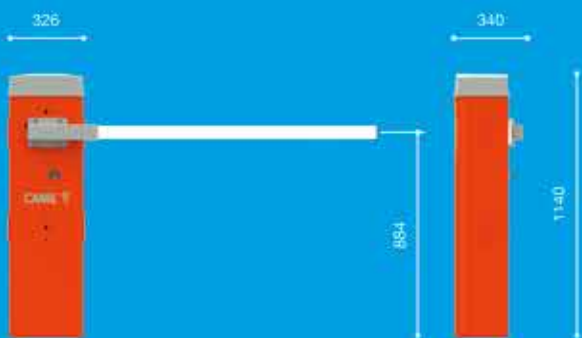
Designed to offer an MCBF value of 1.5 million cycles, GARD LT4 is tested for a usage frequency of 300 cycles/hour.

In addition to the 24V DC motor that ensures smooth boom movement and rapid operations (up to 2 seconds), GARD LT4 is equipped with **ADVANCED SPEED CONTROL**, the innovative feature that constantly monitors the forces exerted on the boom to ensure constant speed in all weather conditions.

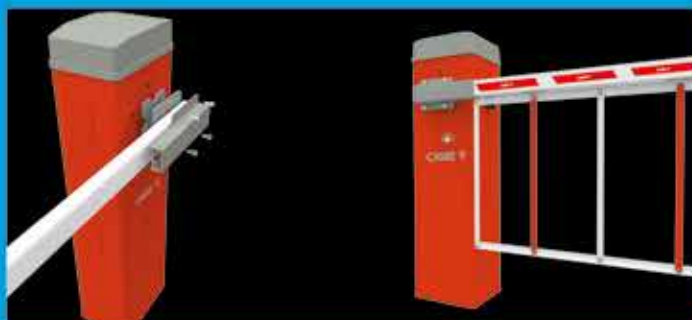
It is also the ideal solution for settings where integration with other CAME systems is required through **CONNECT** technology, or with third-party systems, because of its compatibility with the **MODBUS** protocol. GARD LT4 is equipped with a single spring that makes boom balancing operations easy and is configurable with all CAME control and safety accessories as well as specific devices such as folding skirts.

MAIN CHARACTERISTICS

- 4 Models with different finishes including RAL color on request.
- 2 types of boom, 60 x 40 mm rectangular section and 60 mm diameter round section.
- **EASY START UP** through a dedicated intermediate plate that allows the installer to easily reverse the opening direction, even after having already installed the barrier, without the need to disassemble the various components.
- **ZL392-C** control board equipped with configurable inputs, LED strip output, connectors for keyboards or RFID reader, memory roll for saving configurations, and serial ports for managing coupled barriers.
- Battery system for operation in case of power failure.



Emergency batteries



Rectangular boom

Boom with skirt



AUTOMATIC BARRIERS

NEWS

N

GARD LS4



PERFORMANCE MEETS DESIGN

GARD LS4 is the automatic barrier for passage widths from 2.5 to 3.8 meters specifically for settings where the greatest aesthetic impact is also required.

Designed to offer an MCBF value of 1.5 million cycles, GARD LS4 is tested for the usage frequency of 300 cycles/hour.

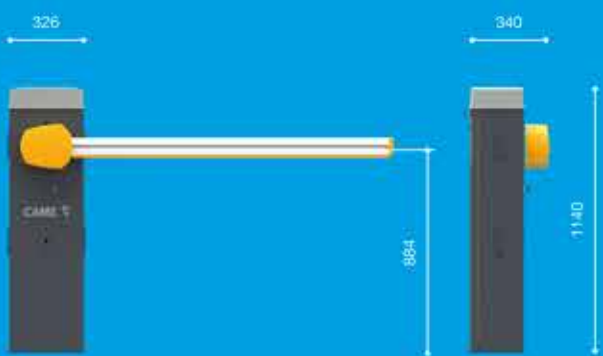
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GARD LS4 is equipped with a single spring that makes boom balancing operations easy and is configurable with all CAME control and safety accessories as well as specific devices such as folding skirts.

MAIN CHARACTERISTICS

- 4 Models with different finishes including RAL color on request.
- 2 types of boom, 90 x 35 mm profiled and 60 mm diameter round section.
- Boom release mechanism in case of impact.
- System for jointed boom.
- Skirt.
- Optional dedicated flashing light.
- Heater kit with thermostat.
- EASY START UP through a dedicated intermediate plate that allows the installer to easily reverse the opening direction, even after having already installed the barrier, without the need to disassemble the various components.
- ZL392-C control board equipped with configurable inputs, LED strip output, connectors for keyboards or RFID reader, memory roll for saving configurations, and serial ports for managing coupled barriers.
- Battery system for operation in case of power failure.



KLT Flashing light



Emergency batteries



Boom release device

Jointed boom





STREET BARRIERS

NEWS



GARD GT4



THE NEW BENCHMARK FOR AUTOMATIC BARRIERS

GARD GT4 is suitable for passageways up to 5 meters.

The cabinet, with its elegant and functional design, is extremely durable and is prepared for the integration of control and safety accessories.

High-visibility LED lights on the crown and on both sides of the boom act as traffic lights with red and green signals to facilitate passages.

The accessories include the newly developed SAFETY BOOM RELEASE SYSTEM and the new FOLDING SHIRT AT ALL HEIGHTS.

RELIABLE:

24 V DC motor with encoder and ADVANCED SPEED CONTROL.

INTEGRATION:

digital inputs, CXN BUS inputs, MODBUS and CONNECT protocol.

PRACTICAL:

single spring balancing system already included.

SAFE:

shockproof rubber profile and obstacle detection, compliant with EN-12453.

FAST:

4 seconds.

GARD GT4 - MCBF 3 MILLION CYCLES:

tested for intensive use up to 300 cycles/hour.





FLASHING LIGHTS

NEWS

KLT



FLASHING LIGHT FOR BARRIERS AND GARAGE DOORS

KLT is the perfect solution for applications on GARD LT4 and GARD LS4 automatic barriers, but also on modern garage doors.

The simple connection and the possibility of customizing colors and flashing type, allow the installer to choose the best signaling configuration for each specific context.

KLT is also the perfect solution for any setting where the application of a slim flashing light with essential lines is required. Installed on a wall or post, KLT is in fact ideal in conjunction with garage door automations, industrial doors or gates.

Here are some features:

DOUBLE FREQUENCY

KLT has a built-in dual-frequency antenna and is therefore compatible with all CAME radio transmitters with 433 MHz and 868 MHz frequencies.

QUALITY OF MATERIALS

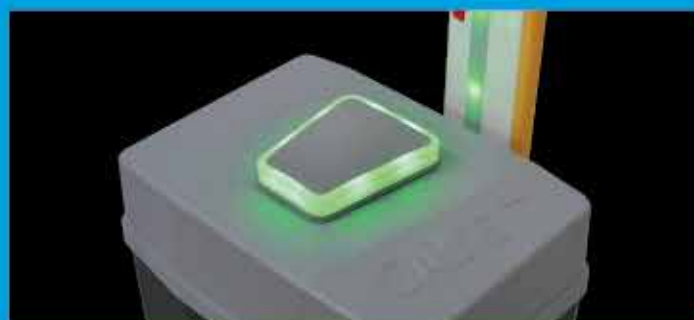
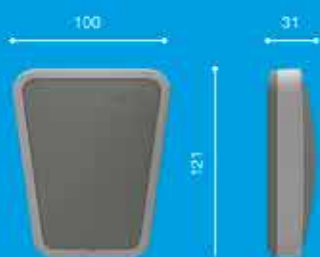
KLT is designed using high-quality polycarbonate and thus guarantees strength and durability.

OPERATING MODES

KLT has advanced electronics that allow customisation of light colour and flashing, to meet the needs of any user.

COURTESY LIGHT

KLT also implements the very useful COURTESY LIGHT function: the user can easily set the time for which the white light remains on after completing the operation.





ACCESS CONTROL

NEWS

N

QUICK&EASY ACCESS



THE TEMPORARY ACCESS SOLUTION THAT ALLOWS YOU TO EXPAND YOUR BUSINESS

QUICK&EASY ACCESS is the solution that meets the needs of many types of facilities allowing you to manage, without the need for dedicated staff, access to facilities such as:



B&B



SMALL HOTELS



CAMPINGS



PRIVATE PARKING
SPACES



WAREHOUSES

The guest can log in using a smartphone or by typing a code on a keypad, depending on the needs and characteristics of the facility.

The facility manager can set access times and modes, send customised e-mails and confirmations, manage keypad codes for opening doors in common areas via the cloud, open gates through the app, and obtain automated backups.

The benefits for visitors who need to access a location managed through Quick&Easy Access include the simplicity with which they obtain instructions and codes for access, and the fact that they do not have to be subject to any particular time constraints.

In addition, the CAME system uses a simple Web portal accessible via an Internet connection and therefore does not require the installation of any App: in this way the user does not have to configure any application or create an account, but simply click on the link sent by the facility manager.



Module
806RV-0020



Slave module
806SA-0150



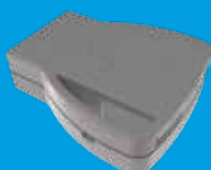
Gateway
806SA-0180



Keypad selector
806SL-0280



8K06RV-006
NEW QUICK & EASY ACCESS WI-FI KIT



Wi-Fi Gateway
806SA-0200





RADIO TRANSMITTERS

NEWS



TOP



THE CAME REMOTE CONTROL

TOP is the evolution of the CAME radio control, available in different versions to allow the most complete flexibility and meet all market requirements. Its ergonomic shape and high quality materials guarantee a durable and reliable product in all conditions.

TOP is available with 2 or 4 channels, and with ROLLING CODE or FIXED CODE technology.



LIGHT BLUE TOP - ROLLING CODE 433.92 MHZ

It eliminates the risk of cloning the radio control and allows the installer or system operator to control the users.

4 buttons: TOP44RBN - 806TS-0270



GREEN TOP - ROLLING CODE 433.92 - 868.35 MHZ

Dual frequency technology is the ideal solution for situations where interference with other devices may occur. The TOP radio control can transmit at either 433.92 MHz or 868.35 MHz according to the system specifications.

4 buttons: TOPD4REN - 806TS-0290



BLACK TOP - FIXED CODE 433.92 MHZ

It ensures maximum flexibility of use and easy duplication.

The self-learning function allows the TOP code to be duplicated on other CAME radio control models and vice versa.

2 buttons: TOP42FGN - 806TS-0300

4 buttons: TOP44FGN - 806TS-0310



ORANGE TOP - FIXED CODE 433.92 - 868.35 MHZ

It combines the convenience of fixed code technology with the versatility of dual frequency technology.

This version can transmit at either 433.92 MHz or 868.35 MHz according to the system specifications.

4 buttons: TOPD4FRN - 806TS-0330



ACCESSORIES

NEWS

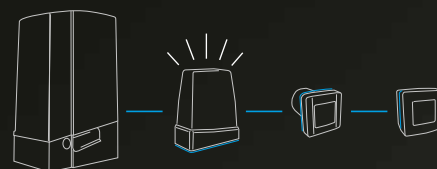
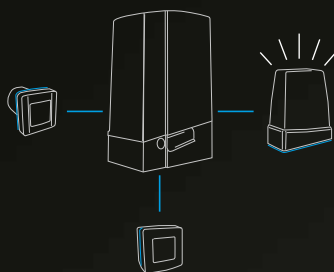
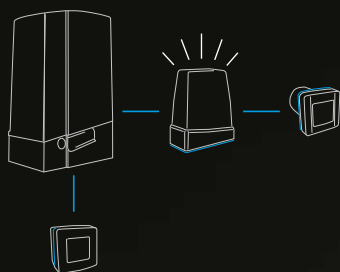
N

CXN BUS

MISTO CONNECTION

STAR CONNECTION

CHAIN CONNECTION



ACCESSORIES WITH CXN BUS CONNECTION

With the CXN line of accessories with BUS technology, installation can be completed more easily and quickly. Each individual accessory can be configured after completing installation and setting the address of each device. It is also possible to obtain a complete diagnosis on each device.

The new control panels for swing gates ZLX24SA and ZLX24MA, the GARD GT4 and GARD GT8 barriers, and the new BXV PLUS have been developed with CXN BUS technology and therefore allow the connection of both traditional accessories and non-polarized 2-wire accessories.*

KEY-SWITCH SELECTORS

806SL-0070 wall-mounted key-operated with cylinder
806SL-0080 recess-mounted key-operated with cylinder
806SL-0030 wall-mounted
806SL-0040 recess-mounted

BLUETOOTH SELECTORS

806SL-0340 wall-mounted 15 users
806SL-0350 wall-mounted 50 users
806SL-0360 wall-mounted 250 users

KEYPAD SELECTORS

806SL-0280 wall-mounted
806SL-0290 recess-mounted

TRANSPONDER SELECTORS

Manchester:

806SL-0300 wall-mounted
806SL-0310 recess-mounted

MIFARE:

806SL-0320 wall-mounted
806SL-0330 recess-mounted

* ZLX24SA and ZLX24MA switchboards and the ZBC1 electronic board of BXV PLUS allow the connection of keypads and transponders only in CXN BUS mode.

DLX SERIES PHOTOCELLS

806TF-0090 recess-mounted
806TF-0100 wall-mounted

DXR SERIES PHOTOCELLS

806TF-0110 wall-mounted

KRX SERIES FLASHING LIGHTS

806LA-0050 RGB light
806LA-0070 RGB light with integrated gateway

EXPANSION MODULES

806XG-0080 2 inputs + 2 outputs

2-WIRE CXN BUS CONNECTION



RGB FLASHING LIGHT



European Standards

EN 12453



Standards EN 12453 specify the compliance and safety requirements for automatic closing systems that could come in contact with people. They define all of the technical solutions for securing users' systems.

THE SYSTEM CAN BE

- **IN PRIVATE AREA (fenced off)**
- **IN A PUBLIC AREA** or bordering with a public area despite being in a private area.

USERS CAN BE

- **TRAINED**

Users are trained when they are instructed on how to use the operator. Trained users typically work operators fitted on private property.

- **UNTRAINED**

THE COMMAND CAN BE

- **NON SELF-LOCKING** (maintained action – man present).

The operator is activated only thanks to automatically resetting buttons or selectors (for example, to activate an operator, you press a button. When the button is released, the operator stops). The operator is in full view of the user.

- **SENDING IMPULSES WITH SYSTEM CONTROL FROM A FIXED STATION.**

The command must be impulse-type and sent from a fixed position from the system can be controlled. The button needn't be self-locking, that is, without automatically resetting button or selector.

- **RADIO-FREQUENCY CONTROL** (sending impulses without control of the system from a fixed station).

Each impulse corresponds to a function (open, close, stop, etc.).

- **AUTOMATIC** (impulses).

Each impulse sent corresponds to a maneuver cycle and not to a single function (open, close).



Safety

THE FRAMEWORKS PRESCRIBED BY EUROPEAN STANDARDS EN 12453

| THE SYSTEM AND THE USER | THE COMMAND | | | |
|--------------------------------|----------------------|---|---|---------------------------|
| | With no self-locking | Sending impulses with system control from a fixed station | Sending impulses with no control of the system from a fixed station (radio control) | Automatic (impulse based) |
| PRIVATE area TRAINED user | A | C | C | C + D |
| PRIVATE area UNTRAINED user | C | C | C + D | C + D |
| PUBLIC area TRAINED user | B | C | C + D | C + D |
| PUBLIC area UNTRAINED user | - | C + D | C + D | C + D |

THE SAFETY DEVICES REQUIRED BY EUROPEAN STANDARDS EN 12453

- A

Operator present (with automatically resetting control device).
- B

Operator present (with manual resetting of the control device).
- C

Mechanical and electronic devices, that is, sensitive safety-edges and encoders respectively.
 Check compliance with maximum impact force regulatory standards. These standards are defined in the reference Technical Standards.
- D

Infrared-beam photocells for detecting any obstruction in the operator's range of action.



SLIDING GATE AUTOMATION



| | |
|----|-------------------------|
| 44 | SELECTION GUIDE |
| 48 | BXL |
| 50 | BXV |
| 54 | BX |
| 56 | BK |
| 60 | BKV |
| 64 | BY-3500T |
| 67 | CONTROL BOARD FUNCTIONS |

Selection guide

Sliding gate operators

The table summarizes the series and models with their maximum operating limits according to the weight and length of the gate leaf.

| Series | Model | Max. weight per leaf (kg) / Max. length per leaf (m) |
|----------|------------|--|
| BXL | 801MS-0140 | 400 / 10 |
| BX | 801MS-0020 | 400 / 14 |
| BXV | 801MS-0150 | 400 / 14 |
| BXV | 801MS-0160 | 400 / 14 |
| BXV | 801MS-0570 | 400 / 14 |
| BXV | 801MS-0180 | 600 / 18 |
| BXV | 801MS-0190 | 600 / 18 |
| BXV | 801MS-0380 | 600 / 18 |
| BXV | 801MS-0580 | 600 / 18 |
| BX | 801MS-0030 | 800 / 14 |
| BXV | 801MS-0210 | 800 / 20 |
| BK | 801MS-0070 | 800 / 20 |
| BXV | 801MS-0230 | 1000 / 20 |
| BXV | 801MS-0250 | 1000 / 20 |
| BXV | 801MS-0390 | 1000 / 20 |
| BXV | 801MS-0590 | 1000 / 20 |
| BK | 801MS-0080 | 1200 / 20 |
| *BKV | 801MS-0300 | 1500 / 20 |
| *BKV | 801MS-0350 | 1500 / 20 |
| *BKV | 801MS-0520 | 1500 / 20 |
| BK | 801MS-0090 | 1800 / 20 |
| *BKV | 801MS-0310 | 2000 / 20 |
| *BKV | 801MS-0360 | 2000 / 20 |
| BK | 801MS-0100 | 2200 / 20 |
| BK | 801MS-0120 | 2200 / 20 |
| BK | 801MS-0130 | 2200 / 23 |
| *BKV | 801MS-0320 | 2500 / 20 |
| *BKV | 801MS-0370 | 2500 / 20 |
| BY-3500T | BY-3500T | 3500 / 17 |

● 230 V AC ● 24 V DC HEAVY DUTY ● 230 – 400 V AC TRI-PHASE
*CONTINUOUS DUTY



SLIDING GATES RIGHT OR LEFT OPENING

All CAME sliding gate automations are designed to be installed on either the right or left side of the gate.



PAIRED OPENING

CAME's range of sliding gates lets you install two counterposed gearmotors.



INDUSTRIAL APPLICATION

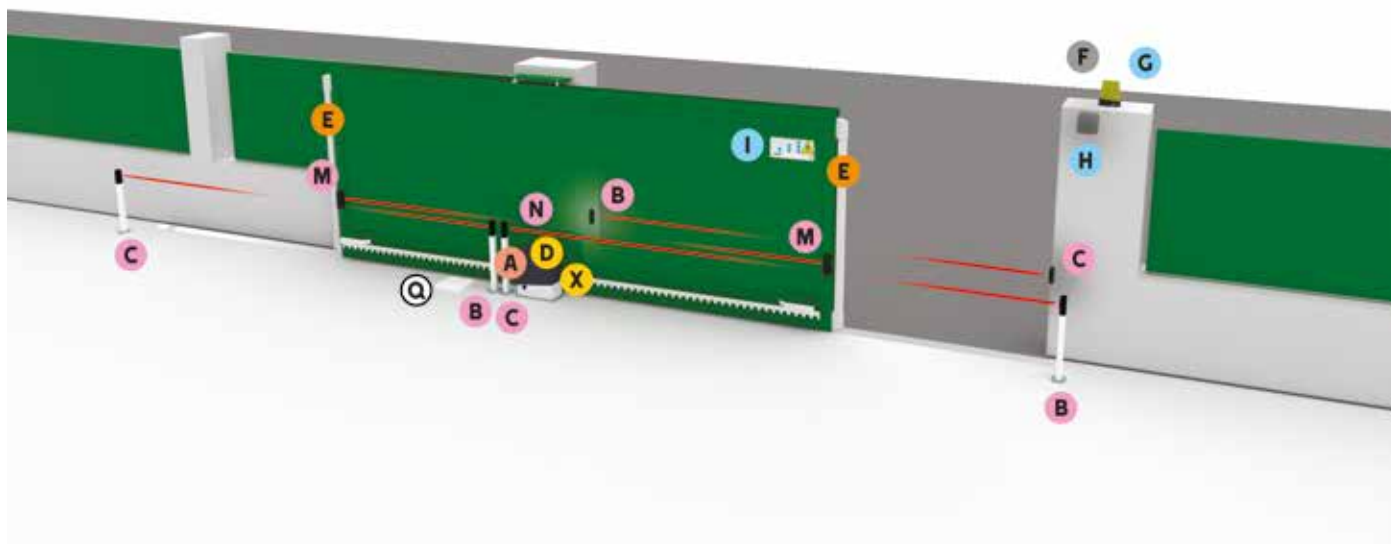
In industrial facilities, where tractor trailers, 18-wheel trucks and forklifts pass through, it is always advisable to fit double-height, infrared beam photocells, to prevent the gate from closing if one of the vehicles stops at the entry/exit point.

The flashing light for movement signaling.

CAME has always suggested installing the flashing light as an additional safety feature for the automation system.

The KRX range, with LED technology, combines energy saving and great reliability with easy installation. KRX can be integrated with all CAME radio systems, is available in various colors, has a built-in radio antenna and each model can be powered from 24 V DC to 230 V AC.





COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Power outage emergency operation board*
- E** Sensitive safety-edges
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- I** Plaque
- M** Wireless module for controlling sensitive edges
- N** RX2 photocells
- Q** Junction box
- X** Radio frequency card

NOTES:

The control board is integrated in the automation (except: 801MS-0130)

The radio frequency board can be integrated into the operator.

* Only for 24 V DC operators.

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



TTS

**REFINED AND
ELEGANT**

**DUAL FREQUENCY
FIXED CODE AND
ROLLING CODE**

FIND OUT MORE ON PAGE 212

CAME 

[CAME.COM](https://www.came.com)



| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|-----|
| 400 kg | 10 m SECTION | 50% |



Solution for sliding gates in residential settings

- Encoder-based movement control.
- Complies with the rules on impact forces.
- Ready for operation in case of power outage.
- Self-diagnosing, hardwired safety devices.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- On-board rolling code decoding.

Dimensions (mm)



Operational limits

| MODELS | 801MS-0140 |
|--------------------------|------------|
| Max. weight of leaf (kg) | 400 |
| Pinion module | 4 |

Technical characteristics

| MODELS | 801MS-0140 |
|------------------------------|------------|
| Protection rating (IP) | 44 |
| Power supply (V - 50/60 Hz) | 230 AC |
| Power supply to motor (V) | 24 |
| Maximum draw (A) | 7 |
| Power (W) | 170 |
| Duty/cycle (%) | 50 |
| Thrust (N) | 350 |
| Pinion module | 4 |
| Operating temperature (°C) | -20 ÷ +55 |
| Motor's heat protection (°C) | -20 ÷ +70 |

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| Complete operators with 24 V DC gearmotor | |
|---|--|

801MS-0140



BXL04AGS - Operator with 24 V motor, featuring a control board with dip-switch settings, on-board radio decoding, movement and obstruction-detection control for sliding gates weighing up to 400 kg that are up to 10-m long. RAL7024-grey cover.



| | |
|-------------|--|
| Accessories | |
|-------------|--|

001**RGP1**

Green Power module to disconnect the transformer for energy saving while the operator is not in use.



001**R800**

Control board for decoding and access-control management via keypad selectors.



| | |
|-------------|--|
| Accessories | |
|-------------|--|

002**RLB**

Circuit board for emergency operation and battery charging.



| | |
|-------|--|
| Racks | |
|-------|--|

009**CGZ**

Module 4 rack made of 22 x 22 mm galvanized steel.



009**CGZP**

Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.



009**CGZS**

Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use. The handy lever releases the gearmotor for manually opening the gate.

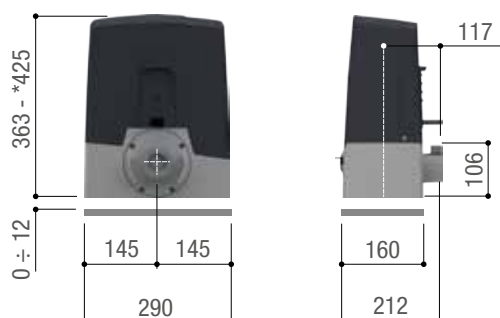
| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|---------------|
| UP TO 1000 kg | UP TO 20 m | INTENSIVE USE |



Solution for sliding gates at private homes and apartment blocks

- Automation equipped with encoder also in the fast version.
- Ready for operation in case of power outage.
- Ready for installation of magnetic limit switches and heater.
- Control board with terminal blocks, display and storage for up to 250 users.
- Self-diagnosing safety devices.
- Paired connection via RSE accessory.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



* 801MS-0160 - 801MS-0190 - 801MS-0250

Battery type

| MODEL | BATTERY TYPE (not supplied) | MODEL | BATTERY TYPE (not supplied) |
|------------|-----------------------------|------------|-----------------------------|
| 801MS-0150 | 2 x 12 V – 1.3 Ah | 801MS-0250 | 2 x 12 V – 5 Ah |
| 801MS-0160 | 2 x 12 V – 5 Ah | 801MS-0380 | 2 x 12 V – 1.3 Ah |
| 801MS-0180 | 2 x 12 V – 1.3 Ah | 801MS-0390 | 2 x 12 V – 1.3 Ah |
| 801MS-0190 | 2 x 12 V – 5 Ah | 801MS-0570 | 2 x 12 V – 1.3 Ah |
| 801MS-0210 | 2 x 12 V – 1.3 Ah | 801MS-0580 | 2 x 12 V – 1.3 Ah |
| 801MS-0230 | 2 x 12 V – 1.3 Ah | 801MS-0590 | 2 x 12 V – 1.3 Ah |

Operational limits

| MODELS | 801MS-0150 | 801MS-0180 | 801MS-0210 | 801MS-0230 | 801MS-0160 | 801MS-0190 | 801MS-0250 | 801MS-0570 | 801MS-0580 | 801MS-0590 |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Max. weight of leaf (kg) | 400 | 600 | 800 | 1000 | 400 | 600 | 1000 | 400 | 600 | 1000 |
| Pinion module | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

Technical characteristics

| MODELS | 801MS-0150 | 801MS-0180 | 801MS-0210 | 801MS-0230 | 801MS-0160 |
|------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 | 24 | 24 | 24 | 24 |
| Maximum draw (A) | 7 | 11 | 16 | 16 | 10 |
| Power (W) | 170 | 270 | 400 | 400 | 240 |
| Manoeuvring speed (m/min) | 12 | 12 | 11 | 11 | 22 |
| Duty/cycle (%) | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Cycles/Hour | - | - | - | - | - |
| Thrust (N) | 350 | 600 | 800 | 1000 | 250 |
| Pinion module | 4 | 4 | 4 | 4 | 4 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 |

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MS-0150 BXV04AGS - Operator with 24 V motor, featuring a control board with display on-board radio decoding, movement and obstruction detection control for sliding gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.

801MS-0180 BXV06AGS - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction-detection control for sliding gates weighing up to 600 kg that are up to 18-m long. RAL7024-grey cover.



Complete operators with 24 V DC gearmotor

801MS-0210 BXV08AGS - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 800 kg that are up to 20-m long. RAL7024-grey cover.

801MS-0230 BXV10AGS - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 1,000 kg that are up to 20-m long. RAL7024-grey cover.



Complete operators with 24 V DC gearmotor - FAST Version

801MS-0160 BXV04AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates up to 400 kg and 14 m length. Grey RAL7024 cover. Fast version up to 22 m/min.

801MS-0190 BXV06AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates up to 600 kg and 18 m length. Grey RAL7024 cover. Fast version up to 20 m/min.

801MS-0250 BXV10AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates up to 1000 kg and 20 m length. Grey RAL7024 cover. Fast version up to 20 m/min.



Complete automations with 24 V DC gearmotor, tested according to EN 12453 standards - PLUS Version

801MS-0570 BXV04AGE - Operator with 24 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, CXN BUS, B1-B2 contact output, on-board radio decoding, movement management and obstacle detection for gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.

801MS-0580 BXV06AGE - Operator with 24 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, CXN BUS, B1-B2 contact output, on-board radio decoding, movement management and obstacle detection for gates weighing up to 600 kg that are up to 18-m long. RAL7024-grey cover.



Complete operators with 24 V DC gearmotor - PLUS Version

801MS-0590 BXV10AGE - Operator with 24 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, CXN BUS, B1-B2 contact output, on-board radio decoding, movement management and obstacle detection for gates weighing up to 1000 kg that are up to 20-m long. RAL7024-grey cover.





Technical characteristics

| MODELS | 801MS-0190 | 801MS-0250 | 801MS-0570 | 801MS-0580 | 801MS-0590 |
|------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 | 24 | 24 | 24 | 24 |
| Maximum draw (A) | 10 | 16 | 7 | 11 | 16 |
| Power (W) | 240 | 360 | 170 | 270 | 400 |
| Manouversing speed (m/min) | 20 | 20 | 12 | 12 | 11 |
| Duty/cycle (%) | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | - | - | - |
| Cycles/Hour | - | - | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE |
| Thrust (N) | 330 | 450 | 350 | 600 | 1000 |
| Pinion module | 4 | 4 | 4 | 4 | 4 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 |

THE COMPLETE RANGE

Code Description

| CXN BUS interface for PLUS version automations | |
|--|--|
| 806XG-0080  | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |
| Accessories | |
| 001 RSDN001 | Pull-cord release device for operators. |
| 001 RSDN002 | Magnetic limit-switch system for operators working in critical climatic conditions. |
| 001 RSDN003 | Heating system for operators installed in cold areas. |
| 001 RGP1 | Green Power module to disconnect the transformer for energy saving while the operator is not in use. |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |
| Accessories for: 001RSDN001 | |
| 001 H3000 | Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m. |
| Accessories | |
| 002 RLB  | Circuit board for emergency operation and battery charging. |
| Racks | |
| 009 CGZ | Module 4 rack made of 22 x 22 mm galvanized steel. |
| 009 CGZP | Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace. |
| 009 CGZS | Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers. |



WE CONNECT, YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security.

We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet.

Download the CAME AUTOMATION APP from Google Play or the APP Store.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use.

A convenient handle lets you release the gearmotor to manually open the gate.



SEL BT

BLUETOOTH SWITCHES FOR REMOTE CONTROL

FIND OUT MORE ON PAGE 232

CAME 

[CAME.COM](https://www.came.com)



| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|-----|
| UP TO 800 kg | 14 m SECTION | 30% |

Solution for sliding gates in residential settings

- Encoder-based movement control.
- Ready for installation of magnetic limit switches.
- Control board with terminal blocks, display and storage for up to 250 users.
- The safety inputs can be configured to directly control the 8k2Ω resistive sensitive-safety edges.
- Self-diagnosing safety devices.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Operational limits

| MODELS | 801MS-0020 | 801MS-0030 |
|--------------------------|------------|------------|
| Max. weight of leaf (kg) | 400 | 800 |
| Pinion module | 4 | 4 |

Technical characteristics

| MODELS | 801MS-0020 | 801MS-0030 |
|-----------------------------|------------|------------|
| Protection rating (IP) | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC |
| Power supply to motor (V) | 230 | 230 |
| Absorption (A) | 1,5 | 2,5 |
| Power (W) | 320 | 520 |
| Maneuvering speed (m/min) | 10,5 | 10,5 |
| Cycles/Hour | 17 | 17 |
| Thrust (N) | 600 | 800 |
| Pinion module | 4 | 4 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

Code Description

Operators with 230 V AC gearmotor, tested in compliance with regulatory standards EN 12453.

801MS-0020



BX704AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.



Complete operators with 230 V C gearmotor

801MS-0030



BX708AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 800 kg that are up to 14-m long. RAL7024-grey cover.



Accessories

001RGP1

Green Power module to disconnect the transformer for energy saving while the operator is not in use.



001R001

Lock cylinder with DIN key.



001B4337

Chain drive device.



009CCT

Simple 1/2" chain.



009CGIU

Joint for 1/2" chain.



001R700

Control board for decoding and access-control management via transponder selector.



001R800

Control board for decoding and access-control management via keypad selectors.



002RSE

Interface card for controlling two operators or for enabling the Came Remote Protocol.



801XC-0100

Magnetic limit-switch system for operators working in critical climatic conditions.



Racks

009CGZ

Module 4 rack made of 22 x 22 mm galvanized steel.



009CGZP

Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.



009CGZS

Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



DOWNLOAD THE CAME AUTOMATIONBT APP

AutomationBT is CAME's new app for Bluetooth selectors that lets you control your automated operators via smartphone. Activate the location service, receive alerts and open the gate. The Keyless function lets you even do it automatically.



| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|----------------------|
| UP TO 2200 kg | UP TO 23 m | UP TO 22 CYCLES/HOUR |



Solution for large sliding gates

- Available with module 4 or 6 pinion.
- Ready for installation of magnetic limit switches.
- Control board with terminal blocks, display and storage for up to 250 users.
- The safety inputs can be configured to directly control the 8k2Ω resistive sensitive-safety edges.
- Self-diagnosing safety devices.
- 230 - 400 V AC three-phase version for 2200 Kg model.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Operational limits

| MODELS | 801MS-0070 | 801MS-0080 | 801MS-0090 | 801MS-0100 | 801MS-0120 | 801MS-0130 |
|--------------------------|------------|------------|------------|------------|------------|------------|
| Max. weight of leaf (kg) | 800 | 1200 | 1800 | 2200 | 2200 | 2200 |
| Pinion module | 4 | 4 | 4 | 6 | 4 | 6 |

Technical characteristics

| MODELS | 801MS-0070 | 801MS-0080 | 801MS-0090 | 801MS-0100 | 801MS-0120 | 801MS-0130 |
|------------------------------|------------|------------|------------|------------|------------|--------------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230/400 AC TRIFASE |
| Power supply to motor (V) | 230 | 230 | 230 | 230 | 230 | 230/400 |
| Absorption (A) | 4,5 | 3,3 | 4,2 | 5,1 | 5,1 | 1,5 |
| Power (W) | 520 | 380 | 480 | 580 | 580 | 520 |
| Maneuvering speed (m/min) | 10,5 | 10,5 | 10,5 | 10,5 | 10,5 | 10,5 |
| Thrust (N) | 800 | 850 | 1150 | 1500 | 1500 | 1650 |
| Pinion module | 4 | 4 | 4 | 6 | 4 | 6 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | - | - |

● 230 V AC ● 230 – 400 V AC THREE PHASE

Code Description

Complete operators with 230 V C gearmotor

| | |
|-----------------------|---|
| 801MS-0070 | BKS08AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 800 kg that are up to 20-m long. RAL7024-grey cover. |
| 801MS-0080 | BKS12AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 1,200 kg that are up to 20-m long. RAL7024-grey cover. |
| 801MS-0090 | BKS18AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 1,800 kg that are up to 20-m long. RAL7024-grey cover. |
| 801MS-0100 | BKS22AGS - Operator with 230 V motor, featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 2,200 kg that are up to 20-m long. RAL7024-grey cover. |
| 801MS-0120 | BKS22AGE - Operator with 230 V motor, featuring a control board with programming display, movement and obstruction detecting devices for sliding gates weighing up to 2,200 kg that are up to 20-m long. RAL7024-grey cover. |



230 - 400 V AC three-phase gearmotors

| | |
|-----------------------|--|
| 801MS-0130 | BKS22TGS - 230 - 400 V Gearmotor for sliding gates weighing up to 2,200 kg that are up to 23-m long. |
|-----------------------|--|



230 - 400 V AC three-phase control panels

| | |
|---------------------|---|
| 002ZT6N | Control panel with self-diagnosis of safety devices, configurable C1, CX resistive inputs, external soft start management, maximum number of users: 25. |
| 002ZT6NC | Control panel complete with safety lock and buttons with self-diagnosis of safety devices, configurable C1, CX resistive inputs, external soft start management, maximum number of users: 25. |



Accessories for: 801MS-0070 - 801MS-0080 - 801MS-0090 - 801MS-0100 - 801MS-0120

| | |
|-------------------|---|
| 801XC-0100 | Magnetic limit-switch system for operators working in critical climatic conditions. |
|-------------------|---|



THE COMPLETE RANGE

Code Description

| Accessories | |
|------------------|--|
| 001 R001 | Lock cylinder with DIN key. |
| 001 B4353 | Chain drive device. |
| 009 CCT | Simple 1/2" chain. |
| 009 CGIU | Joint for 1/2" chain. |
| 001 RGP1 | Green Power module to disconnect the transformer for energy saving while the operator is not in use. |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |
| Racks | |
| 009 CGZ | Module 4 rack made of 22 x 22 mm galvanized steel. |
| 009 CGZS | Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers. |
| 009 CGZ6 | Galvanized rack module 6 in 30 x 30 laminated steel. |



WE CONNECT, YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security.

We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.





SEL

**A COMPLETE RANGE
OF SELECTORS TO
SUIT EVERY NEED**

FIND OUT MORE ON PAGE 230 - 232

CAME 

[CAME.COM](https://www.came.com)



| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|----------------------|
| UP TO 2500 kg | 20 m | CONTINUOUS OPERATION |



Solution for large sliding gates

- "Adaptive Speed and Torque Technology" to ensure a lasting, constant and smooth speed during movement.
- Control board with terminal blocks, graphic display and storage for up to 250 users.
- Four safety inputs which can be configured to directly manage the (8k2Ω) resistive sensitive safety-edges.
- User-friendly release lever for manually opening the gate.
- Set up to fit the 806SA-0120 clock control board for managing up to eight settings for opening and closing maneuvers.
- Protection rating against weathering agents (IP54).
- Ready for installation of magnetic limit switches (001RSDN002).
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Operational limits

| MODELS | 801MS-0300 | 801MS-0310 | 801MS-0320 | 801MS-0350 | 801MS-0360 | 801MS-0370 | 801MS-0520 |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|
| Max. weight of leaf (kg) | 1500 | 2000 | 2500 | 1500 | 2000 | 2500 | 1500 |
| Pinion module | 4 | 4 | 6 | 4 | 4 | 6 | 4 |

Technical characteristics

| MODELS | 801MS-0300 | 801MS-0310 | 801MS-0320 | 801MS-0350 | 801MS-0360 | 801MS-0370 | 801MS-0520 |
|------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| Absorption (A) | 8 | 9 | 10 | 8 | 9 | 10 | 10 |
| Maximum draw (A) | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Power (W) | 200 | 250 | 300 | 200 | 250 | 300 | 300 |
| Maneuvering speed (m/min) | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Cycles/Hour | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE |
| Thrust (N) | 800 | 900 | 1000 | 800 | 900 | 1000 | 650 |
| Pinion module | 4 | 4 | 6 | 4 | 4 | 6 | 4 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 | - |

Code Description

Complete operators with 36 V DC geared motor

801MS-0300



BKV15AGS - Operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement and obstruction detecting device for sliding gates weighing up to 1500 kg that are up to 20-m long. RAL7024-grey cover.

801MS-0310



BKV20AGS - Operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement and obstruction detecting device for sliding gates weighing up to 2000 kg that are up to 20-m long. RAL7024-grey cover.

801MS-0320



BKV25AGS - Automation with 36 V motor, complete with electronic board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement management/obstacle detection and pinion module 6 for sliding gates up to 2500 kg and 20 m length.

Complete operators with 36 V DC gearmotor - PLUS Version

801MS-0350



BKV15AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, magnetic limit switches and clock accessory included for sliding gates weighing up to 1500 kg that are up to 20-m long. RAL7024-grey cover.

801MS-0360



BKV20AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, magnetic limit switches and clock accessory included for sliding gates weighing up to 2000 kg that are up to 20-m long. RAL7024-grey cover.

801MS-0370



BKV25AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, module 6 pinion, magnetic limit switches and clock accessory included for sliding gates weighing up to 2500 kg that are up to 20-m long. RAL7024-grey cover.

Complete operators with 36 V DC gearmotor - REVERSIBLE Version

801MS-0520



BKV15AGR - High performance operator with 36 V reversible motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement and obstruction detecting device for gates weighing up to 1500 kg that are up to 20-m long. RAL 7040 grey cover.



SMOOTH MOVEMENT AND SWIFTNESS IN ANY CONDITIONS

The new BKV series is designed to meet the highest standards in terms of performance at any latitude and in any climate. BKV motors feature state-of-the-art ADAPTIVE TORQUE AND SPEED TECHNOLOGY, that is, an integrated obstruction-detection software that, moment by moment, handles the current absorbed by the geared motor, to ensure the movement is super smooth, while keeping the speed constant according the installation parameters.

THE COMPLETE RANGE

Code Description

Accessories

806SA-0090 Circuit board for emergency operation and battery charging.

24



Accessories

801XC-0120 Chain drive device.



801XC-0130 Adapter plate for first-series BK operators.



001**R001** Lock cylinder with DIN key.



009**CCT** Simple 1/2" chain.



009**CGIU** Joint for 1/2" chain.



001**RGPI** Green Power module to disconnect the transformer for energy saving while the operator is not in use.



001**R700** Control board for decoding and access-control management via transponder selector.



001**R800** Control board for decoding and access-control management via keypad selectors.



002**RSE** Interface card for controlling two operators or for enabling the Came Remote Protocol.



806SA-0120 Control card for timer function-control with possibility to set daily/weekly opening and closing maneuvers.

001**RSDN002** Magnetic limit-switch system for operators working in critical climatic conditions.



Racks

009**CGZ** Module 4 rack made of 22 x 22 mm galvanized steel.



009**CGZS** Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



009**CGZ6** Galvanized rack module 6 in 30 x 30 laminated steel.



BY-3500T

SLIDING GATE AUTOMATION



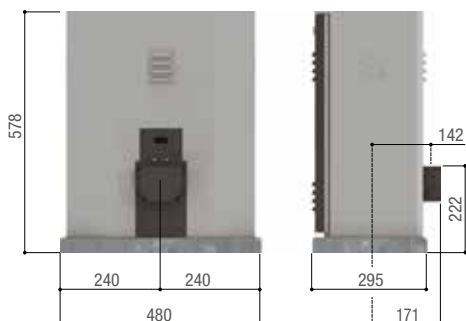
| MAXIMUM LEAF WEIGHT | MAXIMUM LEAF LENGTH | USE |
|---------------------|---------------------|---------------|
| 3500 kg | 17 m | 8 CYCLES/HOUR |



The ideal solutions for sliding gates at industrial sites.

- Sturdy mechanics to ensure exceptional performance.
- Self-diagnosing safety devices.
- Ready for the courtesy light management.
- Power supply 230 - 400 V AC Triphase to offer maximum performance.

Dimensions (mm)



Operational limits

| MODELS | BY-3500T |
|--------------------------|----------|
| Max. weight of leaf (kg) | 3500 |
| Pinion module | 6 |

Technical characteristics

| MODELS | BY-3500T |
|------------------------------|--------------------|
| Protection rating (IP) | 54 |
| Power supply (V - 50/60 Hz) | 400 AC THREE-PHASE |
| Power supply to motor (V) | 400 |
| Maximum draw (A) | 8 |
| Power (W) | 1000 |
| Manoeuvring speed (m/min) | 10,5 |
| Cycles/Hour | 8 |
| Thrust (N) | 3500 |
| Pinion module | 6 |
| Operating temperature (°C) | -20 ÷ +55 |
| Motor's heat protection (°C) | -25 ÷ +70 |

● 230 – 400 V AC THREE PHASE

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| Three-phase 230 – 400 V AC operators | |
|---|--|

001**BY-3500T**



BY3500T - Automation with three-phase 400 V AC motor, complete with control board and mechanical end stops for sliding gates up to 3.500 kg in weight and 17 m in length.

| | |
|--------------|--|
| Racks | |
|--------------|--|

009**CGZ6**

Galvanized rack module 6 in 30 x 30 laminated steel.





The table shows all of the characteristics of sliding-gate control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.



| Models / Series | BX | BK | BKV | BXL | BXV | BY-3500T BK | BXV (Plus) |
|---|-------|-------|------------|------------|------------|-------------|-------------|
| Control board / Control panel | ZBX7N | ZBK7N | ZN8 | ZN6 | ZN7 | ZT6N | ZBC1 |
| Safety | | | | | | | |
| SELF-DIAGNOSING safety devices | ● | ● | ● | ● | ● | ● | ● |
| PRE-FLASHING when opening and closing | ● | ● | ● | ● | ● | ● | ● |
| REOPENING during closing | ● | ● | ● | ● | ● | ● | ● |
| CLOSING AGAIN during opening | ● | ● | ● | ● | ● | ● | ● |
| Obstruction WAIT | ● | ● | ● | ● | ● | ● | ● |
| TOTAL STOP | ● | ● | ● | ● | ● | ● | ● |
| PARTIAL STOP | ● | ● | ● | ● | ● | ● | ● |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | ● | ● | ● | ● | ● |
| ENCODER | ● | ● | ● | ● | ● | ● | ● |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device. | ● | ● | ● | ● | ● | ● | ● |
| AMPEROMETRIC DETECTION | ● | ● | ● | ● | ● | ● | ● |
| Command | | | | | | | |
| PARTIAL OPENING 1 leaf | ● | ● | ● | ● | ● | ● | ● |
| OPEN ONLY from transmitter and/or from button | ● | ● | ● | ● | ● | ● | ● |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | ● | ● | ● | ● | ● |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● |
| MAINTAINED ACTION | ● | ● | ● | ● | ● | ● | ● |
| Characteristics | | | | | | | |
| FLASHING LIGHT connection | ● | ● | ● | ● | ● | ● | ● |
| CYCLE LIGHT connection | ● | ● | ● | ● | ● | ● | ● |
| COURTESY LIGHT connection | ● | ● | ● | ● | ● | ● | ● |
| Antenna | ● | ● | ● | ● | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | ● | ● | ● | ● | ● | ● |
| CLOSED ALERT LIGHT connection | ● | ● | ● | ● | ● | ● | ● |
| Contact output for 2nd RADIO CHANNEL | ● | ● | ● | ● | ● | ● | ● |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● | ● | ● | ● | ● |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | ● | ● | ● | ● | ● |
| OPENING and/or CLOSING slow downs | ● | ● | ● | ● | ● | ● | ● |
| EMERGENCY BATTERY operation (optional) | ● | ● | ● | ● | ● | ● | ● |
| MASTER-SLAVE | ● | ● | ● | ● | ● | ● | ● |
| Adjustable TRAVEL and SLOW-DOWN speeds* | ● | ● | ● | ● | ● | ● | ● |
| DISPLAY | ● | ● | ● | ● | ● | ● | ● |
| Graphic DISPLAY | ● | ● | ● | ● | ● | ● | ● |
| Electronic brake | ● | ● | ● | ● | ● | ● | ● |
| Connection to the solar panel | ● | ● | ● | ● | ● | ● | ● |
| CAME Connect | ● | ● | ● | ● | ● | ● | ● |
| Designed to fit RIO System 2.0 | ● | ● | ● | ● | ● | ● | ● |
| CRP control | ● | ● | ● | ● | ● | ● | ● |
| ENERGY SAVINGS control (001RGP1) | ● | ● | ● | ● | ● | ● | ● |

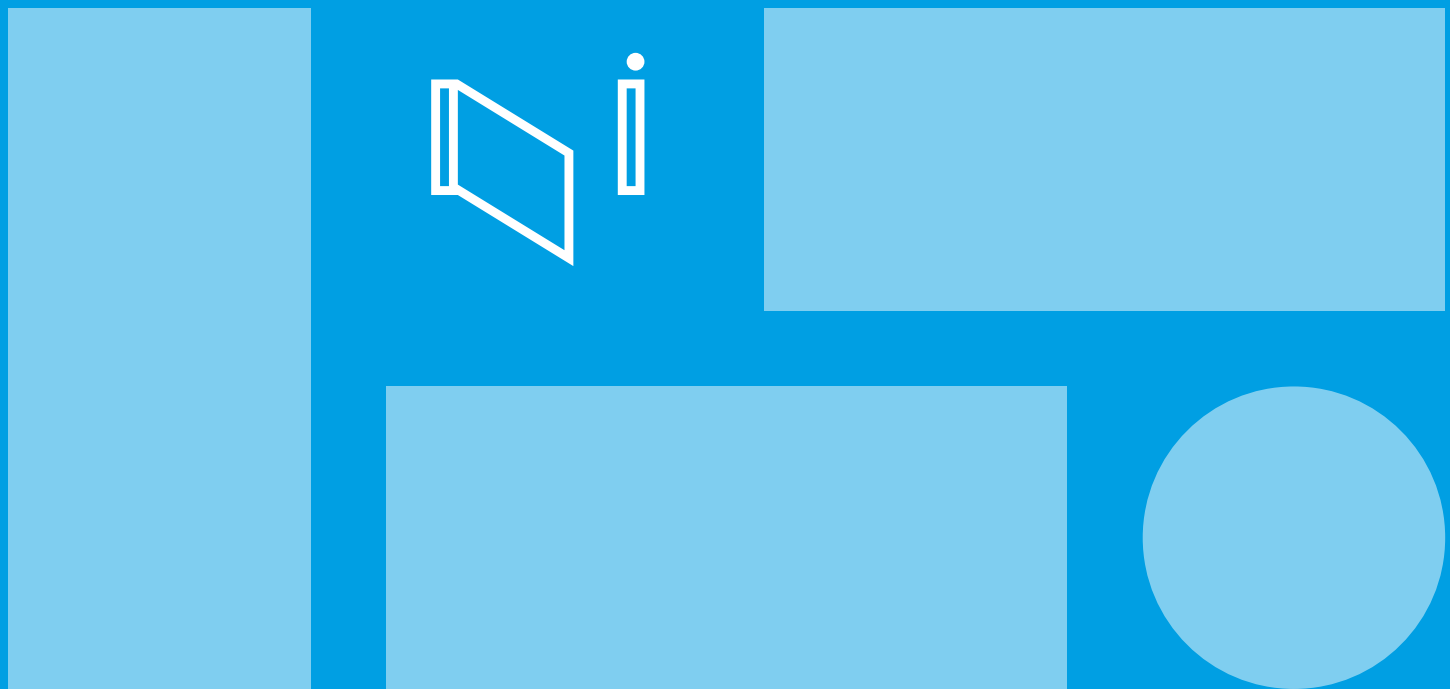
● 230 V AC ● 24 - 36 V DC ● 230 - 400 V AC THREE PHASE

Note

* For 801MS-0020 - 801MS-0030, only slow-down speed.

** Encoder version only

SWING GATE AUTOMATION



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| 70 | SELECTION GUIDE |
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| 113 | CONTROL BOARD FUNCTIONS |

Selection guide

Swing gate operators

The table summarizes the series and models with their maximum operating limits only according to the width of the gate leaf.

| Series | Model | Max. width of leaf (m) | Max. C-distance (mm) |
|------------|-------------------|------------------------|---------------------------------|
| FROG | FROG-AV | 1.3 | - |
| STYLO | STYLO-RME | 1.8 | 180 (200 with item 001STYLO-BD) |
| STYLO | STYLO-ME | 1.8 | 180 (200 with item 001STYLO-BD) |
| AXL | 801MP-0020 | 2 | 60 |
| AXI | 801MP-0030 | 2 | 60 |
| FTL | 801MB-0080 | 2 | 150 (300 with item 801XC-0070) |
| FTL | 801MB-0050 | 2 | 150 (300 with item 801XC-0070) |
| FTX | 801MB-0140 | 2 | 150 (300 with item 801XC-0070) |
| FTX | 801MB-0130 | 2 | 150 (300 with item 801XC-0070) |
| FTX | 801MB-0150 | 2 | 150 (300 with item 801XC-0070) |
| FTX | 801MB-0160 | 2 | 50 (300 with item 801XC-0070) |
| FAST 70 | FA70230CB | 2.3 | 200 (300 with item 801XC-0070) |
| FAST 70 | FA70230 | 2.3 | 200 (300 with item 801XC-0070) |
| FAST 70 | FA7024CB | 2.3 | 200 (300 with item 801XC-0070) |
| FAST 70 | FA7024 | 2.3 | 200 (300 with item 801XC-0070) |
| FAST 70 | 801MB-0090 | 2.3 | 300 |
| FAST 70 | 801MB-0100 | 2.3 | 300 |
| AXI | 801MP-0040 | 2.5 | 60 |
| ATS | 801MP-0050 | 3 | 200 |
| ATS | 801MP-0070 | 3 | 200 |
| ATS | 801MP-0090 | 3 | 200 |
| ATS | 801MP-0110 | 3 | 200 |
| ATI | A3000A | 3 | 60 |
| ATI | A3024N | 3 | 60 |
| ATI | A3000 | 3 | 60 |
| AXO | AX302304 | 3 | 70 |
| AXO | AX312304 | 3 | 70 |
| AXO | AX3024 | 3 | 70 |
| KRONO | KR300D - KR300S | 3 | 60 |
| KRONO | KR302D - KR302S | 3 | 60 |
| KRONO | KR310D - KR310S | 3 | 60 |
| KRONO | KR312D - KR312S | 3 | 60 |
| FROG | FROG-A | 3.5 | - |
| FROG | FROG-AE | 3.5 | - |
| FROG | FROG-A24 | 3.5 | - |
| FROG | FROG-A24E | 3.5 | - |
| AXO | AX402306 | 4 | 70 |
| AXO | AX412306 | 4 | 70 |
| FERNI | FE40230 | 4 | 380 |
| FERNI | FE40230V | 4 | 380 |
| FERNI | FE4024 | 4 | 380 |
| FERNI | FE4024V | 4 | 380 |
| ATS | 801MP-0060 | 5 | 200 |
| ATS | 801MP-0100 | 5 | 200 |
| ATS | 801MP-0080 | 5 | 200 |
| AXO | AX5024 | 5 | 150 |
| ATI | A5000A | 5 | 120 |
| ATI | A5024N | 5 | 120 |
| ATI | A5000 | 5 | 120 |
| KRONO | KR510D - KR510S | 5 | 120 |
| KRONO | KR512D - KR512S | 5 | 120 |
| FROG PLUS | FROG-PM4 | 5.5 | - |
| AXO | AX71230 | 7 | 150 |
| FROG PLUS | FROG-PM6 | 7 | - |
| SUPER FROG | FROG-MD - FROG-MS | 8 | - |

● 230 V AC ● 24 V DC HEAVY DUTY ● 230 - 400 V AC TRI-PHASE



SWING GATES BELOW-GROUND OPERATOR

It is practically invisible and does not change the gate's aesthetics.

It does not limit the net clearance width.



SWING GATES SURFACE OPERATOR

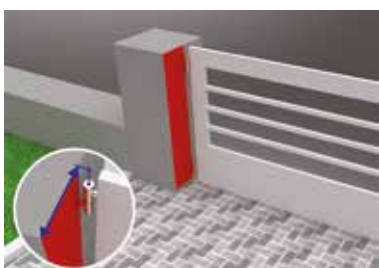
Simple installation with no setting up.

It is by far the most popular among swing gates.



SWING GATES HINGED-ARM GEARMOTORS

When the traditional surface-fitted gearmotor cannot be installed due to space limitations, the folding drive arm solves the issue.



MAXIMUM C-DISTANCE ON SWING GATES

That is the centre-distance between the inner corner of the post and the gate's rotating axis.

The limits to this measurement allow you to pick the most suitable operator for any gate.

NOTES

In swing gates, the installation of an electric lock is always recommended to ensure reliable closing of the gates and to protect the gears of the gear motors.

- In the case of irreversible geared motors, it is always recommended, but becomes mandatory with leaves longer than 2.5 m.
- With reversible geared motors, it is necessary to ensure that the sash closes. In the latter case, it is however up to the installer, taking into account the size and type of sash (e.g. panelled) and the installation area (e.g. a windy area).

The flashing light for movement signaling.

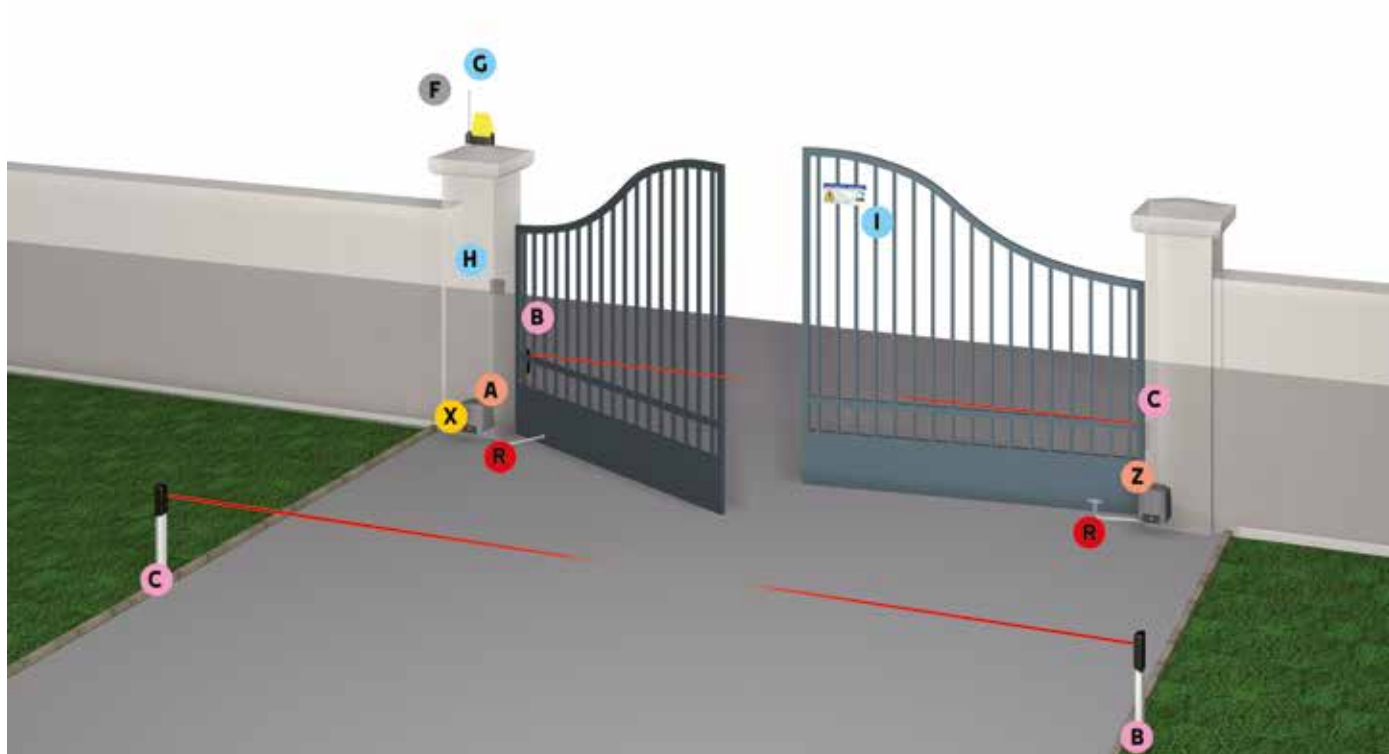
CAME has always suggested installing the flashing light as an additional safety feature for the automation system.

The KRX range, with LED technology, combines energy saving and great reliability with easy installation.

KRX can be integrated with all CAME radio systems, is available in various colors, has a built-in radio antenna and each model can be powered from 24 V DC to 230 V AC.



SWING GATE WITH POWER ARM



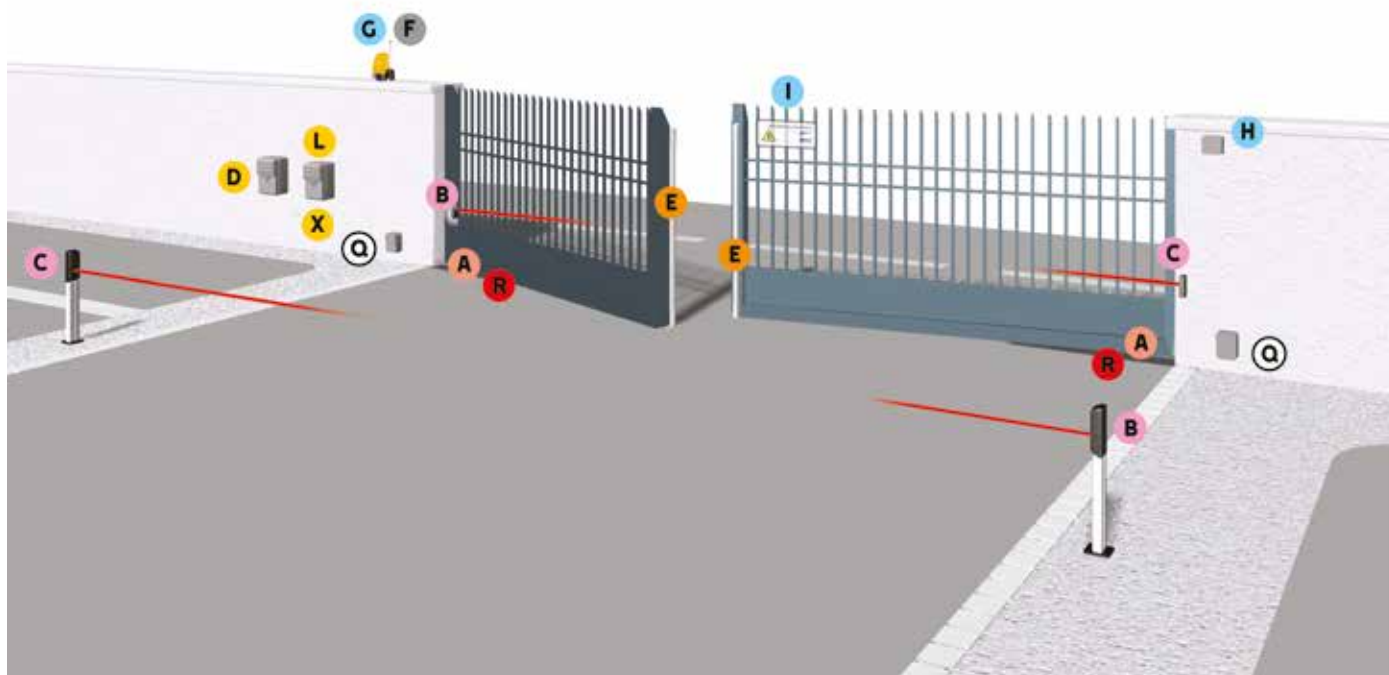
COMPONENTS

- A** Operator (gearmotor with control board)
- Z** Gearmotor
- B** TX Photocells
- C** RX Photocells
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- I** Plaque
- R** Drive levers
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 V AC | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Limit switch micro-switches | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 230 V AC | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| TX Photocells | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| RX Photocells | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| Electric Lock 12 V DC | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| Electric Lock 24 V DC | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A** Gearmotors
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- E** Sensitive safety-edges
- F** Flashing light
- G** Antenna
- H** Control switch
- (Key – Code – Card or transponder fob)
- I** Plaque
- L** Control panel
- Q** Junction box (only for the Frog series)
- R** Drive levers
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Electric Lock 12 V DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1.5 mm ² |
| Electric Lock 24 V DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

ZLX24



ZLX24SA

The most complete and high-performance version, with graphic display and protective cover.

ZLX24MA

The version with the main advanced functions, smaller dimensions and 7-segment display.



THE UNIVERSAL 24 V CONTROL PANEL FOR SWING GATES

CONNECT TECHNOLOGY

for digital automation management, both locally and remotely.

COMPATIBLE WITH ALEXA

for voice-controlled automation management.

ADVANCED ELECTRONIC FUNCTIONS

to simplify configuration operations, even from smartphones.

ADAPTIVE SPEED AND TORQUE CONTROL

for maximum efficiency in all weather conditions.

VIRTUAL ENCODER AND INTELLIGENT MOTION CONTROL

for obstacle detection and deceleration management.

COMPATIBLE WITH CXN BUS SYSTEMS

for faster and more convenient wiring using a non-polarized 2-wire system.

COMPATIBLE WITH THE WIRELESS RIO SYSTEM 2.0

for connecting accessories without wiring.

EASY INSTALLATION

The control panel is mounted on a pivoting and removable base so that, when installing the box on the wall, it is possible to arrange the cables freely. The possibility of detaching the control panel from the box facilitates the wiring work and all the space under the board remains available for cable routing. In addition, the plastic box is equipped with a DIN BAR fixing system for even more practical and faster installation.



COMPATIBLE 24V FIXED-ARM MOTORS

ATS



801MP-0070
801MP-0080
801MP-0110

ATI



001A3024N
001A5024N

AXO



001AX3024
001AX5024

AXI



801MP-0030
801MP-0040

COMPATIBLE 24V ARTICULATED ARM MOTORS

FTX



801MB-0050

FAST 70



001FA7024
801MB-0100

FERNI



001FE4024
001FE4024V

STYLO



001STYLO-ME
001STYLO-RME

UNDERGROUND 24V MOTORS

FROG



001FROG-A24
01FROG-A24E

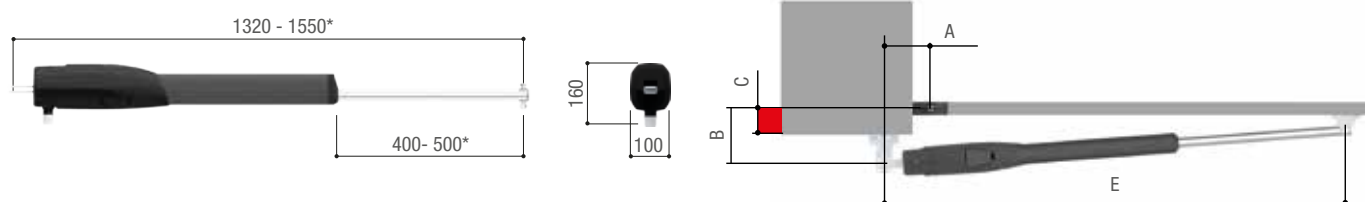
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|----------------------|--------|
| UP TO 5 m | UP TO 800 kg | CONTINUOUS OPERATION | 200 mm |

Solution for applying in private homes and apartment buildings, on posts with C Max. up to 200 mm.



- Designed for applications with C Max. up to 200 mm.
- Sturdy and durable with die-cast aluminium supporting structure.
- Reducer with bevel gear for greater fluidity of movement.
- Release system, with the possibility of remote control.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



*801MP-0060 · 801MP-0080

Operational limits

| MODELS | 801MP-0050 · 801MP-0070 · 801MP-0090 · 801MP-0110 |
|--------------------------|---|
| Max. length of leaf (m) | 3 2,5 2 |
| Max. weight of leaf (kg) | 400 600 800 |
| Max. leaf opening (°) | 120 |

Application dimensions (mm)

| ARTICULATED ARM | 801MP-0050 · 801MP-0070 · 801MP-0090 · 801MP-0110 |
|------------------|---|
| LEAF OPENING (°) | A B C Max. |
| 90 | 130 130 50 |
| 90 | 150 220 150 |
| 90 | 120 270 200 |
| 120 | 180 130 50 |

| MODELS | 801MP-0060 · 801MP-0080 · 801MP-0100 |
|--------------------------|--------------------------------------|
| Max. length of leaf (m) | 5 4 3 2,5 2 |
| Max. weight of leaf (kg) | 400 500 600 800 1000 |
| Max. leaf opening (°) | 120 |

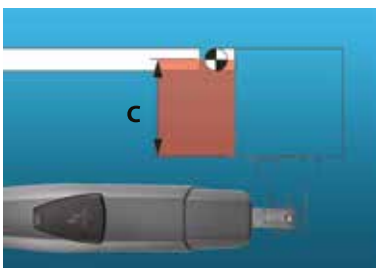
| ARTICULATED ARM | 801MP-0060 · 801MP-0080 · 801MP-0100 |
|------------------|--------------------------------------|
| LEAF OPENING (°) | A B C Max. |
| 90 | 200 200 150 |
| 90 | 200 270 200 |
| 120 | 200 140 70 |

Technical characteristics

| MODELS | 801MP-0050 | 801MP-0060 | 801MP-0090 | 801MP-0100 | 801MP-0070 | 801MP-0080 | 801MP-0110 |
|------------------------------|------------|------------|------------|------------|--------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply to motor (V) | 230 AC | 230 AC | 230 AC | 230 AC | 24 DC | 24 DC | 24 DC |
| Absorption (A) | 1 | 1 | 1 | 1 | 8 MAX | 8 MAX | 8 MAX |
| Power (W) | 250 | 250 | 250 | 250 | 80 | 80 | 80 |
| Maneuvering time at 90° (s) | 15 | 20 | 15 | 20 | 15 ÷ 30 | 15 ÷ 30 | 15 ÷ 30 |
| Cycles/Hour | 20 | 20 | 20 | 20 | CONTINUOUS SERVICE | CONTINUOUS SERVICE | CONTINUOUS SERVICE |
| Thrust (N) | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | - | - | - |

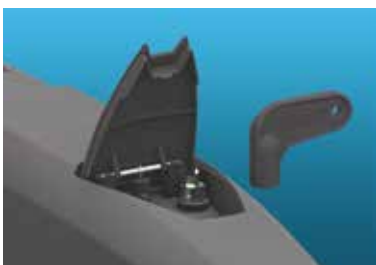
● 230 V AC ● 24 V DC

| Code | Description |
|--|---|
| 230 V AC Gearmotors | |
| 801MP-0050 | ATS30AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| 801MP-0060 | ATS50AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with up to 5 m leaves that weighs up to 400 kg. RAL7024 gray color. |
| 801MP-0090 | ATS30AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, ready for remote release, with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| 801MP-0100 | ATS50AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, ready for remote release, with up to 5 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| Control panels for 230 V AC gearmotors | |
| 002 ZA3P | Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting. |
| 002 ZM3E | Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding. |
| 24 V DC gearmotors | |
| 801MP-0070 | ATS30DGS - Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| 801MP-0080 | ATS50DGS - Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm with up to 5 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| 801MP-0110 | ATS30DGR - Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm, ready for remote release, with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color. |
| Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453 | |
| 801QA-0050 | ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users. |
| 801QA-0060 | ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users. |
| 002 ZL65 | Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding. |



C MAX UP TO 200 MM

ATS is the universal solution, ideal for both small or large residential settings. It is a very versatile operator and thanks to the telescopic extension it is able to adapt perfectly to posts of different depths.



EASY MANUAL RELEASE

In case of need it is possible to unlock the motor to open or close the gate leaf manually. A single gesture is sufficient to unlock ATS. The pin to be operated is protected by a flap that simply opens with a finger. The new tri-lobed key also has a completely new design, for greater ergonomics.

THE COMPLETE RANGE

Code Description

Accessories for: 801MP-0090 - 801MP-0100 - 801MP-0110

001**H3000** Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



Accessori per: 002ZL65 - 801QA-0050 - 801QA-0060

002**RLB** Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080 BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



Accessories

001**LOCK81** Single cylinder electric lock.



001**LOCK82** Double cylinder electric lock.





MONDRIAN

TUBULAR MOTORS WITH MECHANICAL LIMIT SWITCH

SEE THE AUTOMATIONS FOR AWNINGS,
SHUTTERS AND BLINDS CATALOG.

CAME 

[CAME.COM](https://www.came.com)



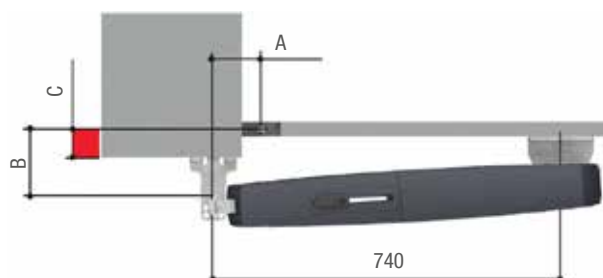
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|-----|--------|
| UP TO 2.2 m | UP TO 250 kg | 50% | 60 mm |

Solution for applying in private homes

- Gearmotor with bevel gear for greater fluidity of movement.
- Integrated, adjustable mechanical limit switches.
- Simplified connections and one, three-conductor cable.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- Release system protected by trilobe key.
- Ready for operation in case of power outage.



Dimensions (mm)



Operational limits

| MODELS | 801MP-0020 | | |
|--------------------------|------------|-----|-----|
| Max. length of leaf (m) | 2,2 | 1,7 | 1 |
| Max. weight of leaf (kg) | 200 | 225 | 250 |
| Max. leaf opening (°) | 115 | | |

Application dimensions (mm)

| MODELS | 801MP-0020 | | |
|------------------|------------|---------|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 110÷170 | 60 |
| 115 | 150 | 110÷160 | 50 |

Technical characteristics

| MODELS | 801MP-0020 |
|-----------------------------|------------|
| Protection rating (IP) | 44 |
| Power supply to motor (V) | 24 DC |
| Maximum draw (A) | 5 |
| Power (W) | 120 |
| Maneuvering time at 90° (s) | 15 |
| Duty/cycle (%) | 50 |
| Thrust (N) | 400 ÷ 2000 |

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 | |
|---|--|

| | |
|-------------------|---|
| 801MP-0020 | AXL20DGS - Irreversible 24 V operator with encoder for swing gates with leaf up to 2 m in length and 200 kg in weight. RAL7024, gray color. |
|-------------------|---|



| | |
|--|--|
| Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453 | |
|--|--|

| | |
|----------------|--|
| 002ZL60 | Control board for single and double leaf gates with dip switch settings, built-in radio decoding and self-diagnosis of safety devices. |
|----------------|--|



| | |
|--------------------------|--|
| Accessories for: 002ZL60 | |
|--------------------------|--|

| | |
|---------------|---|
| 002RLB | Circuit board for emergency operation and battery charging. |
|---------------|---|



| | |
|--------------------------|--|
| Accessories for: 002ZL60 | |
|--------------------------|--|

| | |
|----------------|--|
| 001RGP1 | Green Power module to disconnect the transformer for energy saving while the operator is not in use. |
|----------------|--|



| | |
|----------------|--|
| 001R800 | Control board for decoding and access-control management via keypad selectors. |
|----------------|--|



| | |
|-------------|--|
| Accessories | |
|-------------|--|

| | |
|-------------------|--|
| 001RSWN001 | Pull-cord remote release device for operators. |
|-------------------|--|



| | |
|-----------------------------|--|
| Accessories for: 001RSWN001 | |
|-----------------------------|--|

| | |
|-----------------|---|
| 001H3000 | Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m. |
|-----------------|---|



NOTES:
002RLB - No. 2 12 V – 1.3 Ah batteries, not supplied.

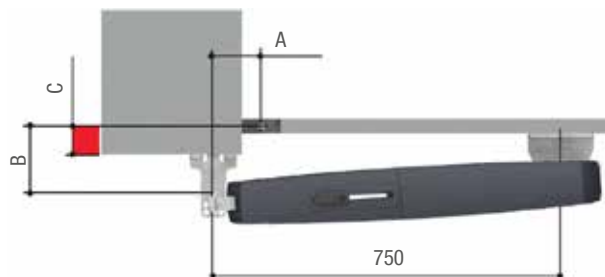
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|-----|--------|
| UP TO 2.5 m | UP TO 250 kg | 50% | 60 mm |

Solution for applying in private homes and apartment buildings

- Gearmotor with bevel gear for greater fluidity of movement.
- Integrated, adjustable mechanical limit switches.
- Simplified connections and one, three-conductor cable.
- Control board with terminal blocks, display and storage for up to 250 users.
- Self-diagnosing safety devices.
- Ready for operation in case of power outage.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Operational limits

| MODELS | 801MP-0030 | |
|--------------------------|------------|-----|
| Max. length of leaf (m) | 1,5 | 2 |
| Max. weight of leaf (kg) | 250 | 200 |
| Max. leaf opening (°) | 115 | |

| MODELS | 801MP-0040 | |
|--------------------------|------------|-----|
| Max. length of leaf (m) | 1,80 | 2,5 |
| Max. weight of leaf (kg) | 300 | 250 |
| Max. leaf opening (°) | 115 | |

Application dimensions (mm)

| ARTICULATED ARM | 801MP-0030 - 801MP-0040 | | |
|------------------|-------------------------|-----------|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 110 ÷ 170 | 60 |
| 115 | 150 | 110 ÷ 160 | 50 |

Technical characteristics

| MODELS | 801MP-0030 | 801MP-0040 |
|-----------------------------|------------|------------|
| Protection rating (IP) | 44 | 44 |
| Power supply to motor (V) | 24 DC | 24 DC |
| Absorption (A) | 5 Max. | 5 Max. |
| Power (W) | 120 | 120 |
| Maneuvering time at 90° (s) | 15* | 15* |
| Duty/cycle (%) | 50 | 50 |
| Thrust (N) | 400 ÷ 2000 | 400 ÷ 2000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

* Suggested minimum value with maximum travel speed and minimum slow-down speed.

Code Description

24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MP-0030



AXI20DGS - Irreversible 24 V gearmotor with encoder for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-gray color.

801MP-0040



AXI25DGS - Irreversible 24 V gearmotor with encoder for swing gates with up to 2.5 m leaves that weighs up to 250 kg. RAL7024-gray color.

Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453

002ZL65



Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding.

801QA-0050



ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.

801QA-0060



ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.

CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080



BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.

Accessories

001RSWN001

Pull-cord remote release device for operators.

Accessories for: 001RSWN001

001H3000

Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.

Accessori per: 002ZL65 - 801QA-0050 - 801QA-0060

002RLB



Circuit board for emergency operation and battery charging.

Accessories for: 002ZL65

001RGP1

Green Power module to disconnect the transformer for energy saving while the operator is not in use.

001R700

Control board for decoding and access-control management via transponder selector.

001R800

Control board for decoding and access-control management via keypad selectors.

002RSE

Interface card for controlling two operators or for enabling the Came Remote Protocol.

NOTES:
002RLB - No. 2 12 V - 1.3 Ah batteries, not supplied.



WE CONNECT. YOU CONTROL.

Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety. CAME CONNECT make all our products available on the web where you can manage and control them from smartphones and tablets. Download CAME AUTOMATION APP from Google play or App Store.



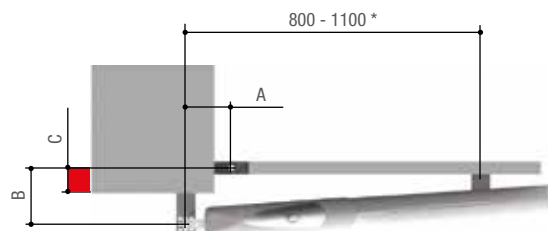
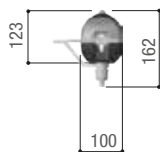
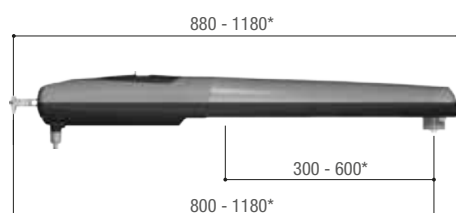
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|---------------|--------|
| UP TO 7 m | UP TO 800 kg | INTENSIVE USE | 150 mm |

Solution for applying in private homes and apartment buildings

- Motor and encoder management with three-wire cable in 24 V DC versions.
- Supporting structure in die-cast aluminium.
- Ready for operation in case of power outage in the 24 V DC versions.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



* 001AX5024 • 001AX71230

Operational limits

| | | | | | | | | |
|--------------------------|------------------------------|-----|-----|-----|-----|-----|------|------|
| MODEL | AX302304 · AX312304 · AX3024 | | | | | | | |
| Max. width of leaf (m) | | | | 3 | 2,5 | 2 | | |
| Max. weight of leaf (kg) | | | | 500 | 600 | 800 | | |
| MODEL | AX402306 · AX412306 | | | | | | | |
| Max. width of leaf (m) | | | | 4 | 3 | 2,5 | 2 | |
| Max. weight of leaf (kg) | | | | 300 | 500 | 600 | 800 | |
| MODEL | AX5024 | | | | | | | |
| Max. width of leaf (m) | | | | 5 | 4 | 3 | 2,5 | 2 |
| Max. weight of leaf (kg) | | | | 400 | 500 | 700 | 800 | 1000 |
| MODEL | AX71230 | | | | | | | |
| Max. width of leaf (m) | 7 | 6 | 5 | 4 | 3 | 2,5 | 2 | |
| Max. weight of leaf (kg) | 300 | 350 | 400 | 500 | 700 | 800 | 1000 | |
| Max. leaf opening (°) | 120 | | | | | | | |

Application dimensions (mm)

| MODELS | AX302304 • AX312304 • AX402306 • AX412306 • AX3024 | | |
|------------------|--|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 130 | 70 |
| 120 | 140 | 100 | 50 |
| MODELS | AX5024 • AX71230 | | |
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 200 | 220 | 150 |
| 120 | 220 | 220 | 100 |

NOTES:
Gates longer than 5 m must not be panelled.
In reversible versions, in the event of strong wind with the gate open, the leaf may close again.

Technical characteristics

| MODELS | AX302304 | AX312304 | AX402306 | AX412306 | AX71230 | AX3024 | AX5024 |
|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | - | - |
| Power supply to motor (V) | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 24 DC | 24 DC |
| Absorption (A) | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 10 Max. | 10 Max. |
| Power (W) | 175 | 175 | 175 | 175 | 175 | 120 | 120 |
| Maneuvering time at 90° (s) | 20 | 20 | 28 | 28 | 40 | ADJUSTABLE | ADJUSTABLE |
| Duty/cycle (%) | 50 | 50 | 30 | 30 | 30 | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Thrust (N) | 500 ÷ 4500 | 500 ÷ 4500 | 500 ÷ 4500 | 500 ÷ 4500 | 500 ÷ 4500 | 500 ÷ 4500 | 500 ÷ 4500 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | 150 | - | - |

Code Description

230 V AC gearmotors tested in compliance with regulatory standards EN 12453

| | |
|-------------------------|---|
| 001 AX302304 | Irreversible 230 V gearmotor with encoder for swing gates with up to 3 m leaves that weighs up to 500 kg. |
| 001 AX312304 | Reversible 230 V gearmotor with encoder for swing gates with up to 3 m leaves that weighs up to 500 kg. |
| 001 AX402306 | Irreversible 230 V gearmotor with encoder for swing gates with up to 4 m leaves that weighs up to 300 kg. |
| 001 AX412306 | Reversible 230 V gearmotor with encoder for swing gates with up to 4 m leaves that weighs up to 300 kg. |



230 V AC Gearmotors

| | |
|------------------------|---|
| 001 AX71230 | Reversible 230 V gearmotor with encoder for swing gates with up to 7 m leaves that weighs up to 300 kg. |
|------------------------|---|



Control panels for 230 V AC gearmotors

| | |
|---------------------|---|
| 002 ZM3E | Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding. |
|---------------------|---|



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

| | |
|-----------------------|--|
| 001 AX3024 | Irreversible 24 V gearmotor with encoder for swing gates with up to 3 m leaves that weighs up to 500 kg. |
| 001 AX5024 | Irreversible 24 V gearmotor with encoder for swing gates with up to 5 m leaves that weighs up to 400 kg. |



Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453

| | |
|-----------------------|---|
| 801QA-0050 | ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users. |
| 801QA-0060 | ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users. |



Accessori per: 801QA-0050 - 801QA-0060

| | |
|--------------------|---|
| 002 RLB | Circuit board for emergency operation and battery charging. |
|--------------------|---|



CXN BUS interface for: 801QA-0050 - 801QA-0060

| | |
|-----------------------|--|
| 806XG-0080 | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |
|-----------------------|--|



Accessories

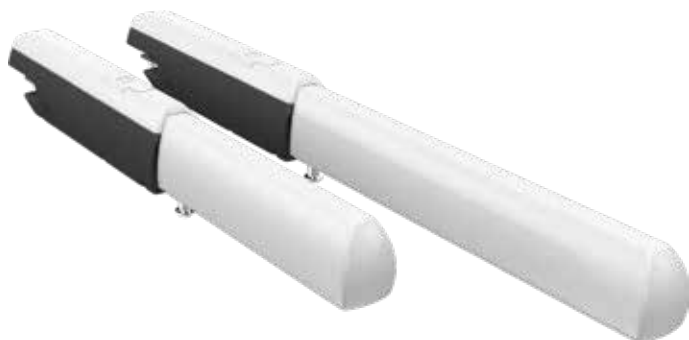
| | |
|-------------------|--------------------------------|
| 001 LOCK81 | Single cylinder electric lock. |
| 001 LOCK82 | Double cylinder electric lock. |



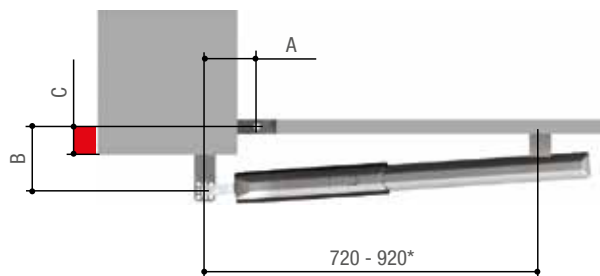
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|----------------|----------------|
| UP TO 5 m | UP TO 1000 kg | INTENSIVE DUTY | 120 mm SECTION |

Solution for applying in private homes and apartment buildings

- Irreversible gearmotor.
- Amperometric obstruction detection.
- Ready for operation in case of power outage in the 24 V DC versions.



Dimensions (mm)



* 001A5000 - 001A5024N

Operational limits

| MODEL | A3000 - A3000A - A3024N | | | |
|--------------------------|-------------------------|-----|-----|--|
| Max. width of leaf (m) | 3 | 2,5 | 2 | |
| Max. weight of leaf (kg) | 400 | 600 | 800 | |
| Max. leaf opening (°) | | 120 | | |

| MODEL | A5000 - A5000A - A5024N | | | | |
|--------------------------|-------------------------|-----|-----|-----|------|
| Max. width of leaf (m) | 5 | 4 | 3 | 2,5 | 2 |
| Max. weight of leaf (kg) | 400 | 500 | 600 | 800 | 1000 |
| Max. leaf opening (°) | | 120 | | | |

Application dimensions (mm)

| MODELS | A3000 - A3000A - A3024N | | |
|------------------|-------------------------|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 130 | 60 |
| 120 | 130 | 110 | 50 |

| MODELS | A5000 - A5000A - A5024N | | |
|------------------|-------------------------|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 200 | 200 | 120 |
| 120 | 200 | 140 | 70 |

Technical characteristics

| MODELS | A3000 | A3000A | A5000 | A5000A | A3024N | A5024N |
|------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 | 44 | 44 |
| Power supply to motor (V) | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 24 DC | 24 DC |
| Absorption (A) | 1,2 | 1,2 | 1,2 | 1,2 | 10 Max. | 10 Max. |
| Power (W) | 260 | 260 | 260 | 260 | 120 | 120 |
| Maneuvering time at 90° (s) | 19 ÷ 25 | 19 ÷ 25 | 30 ÷ 40 | 30 ÷ 40 | ADJUSTABLE | ADJUSTABLE |
| Cycles/Hour | 24 | 24 | 15 | 15 | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Thrust (N) | 400 ÷ 4000 | 400 ÷ 4000 | 400 ÷ 4000 | 400 ÷ 4000 | 400 ÷ 4000 | 400 ÷ 4000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | - | - |

● 230 V AC ● 24 V DC

Code Description

| 230 V AC Gearmotors | |
|--|---|
| 001 A3000 | Irreversible 230 V gearmotor for swing gates with opening limit-switch micro-switches with up to 3 m leaves that weighs up to 400 kg. |
| 001 A3000A | Irreversible 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 A5000 | Irreversible 230 V gearmotor with opening limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg. |
| 001 A5000A | Irreversible 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg. |
| Control panels for 230 V AC gearmotors | |
| 002 ZA3P | Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting. |
| 24 V DC gearmotors | |
| 001 A3024N | Irreversible 24 V gearmotor for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 A5024N | Irreversible 24 V gearmotor with opening limit-switch micro-switch and closing micro-switch for swing gates with up to 5 m leaves that weighs up to 400 kg. |
| Control panels for 24 V DC gearmotors | |
| 801QA-0050 | ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users. |
| 801QA-0060 | ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users. |
| Accessori per: 801QA-0050 - 801QA-0060 | |
| 002 RLB | Circuit board for emergency operation and battery charging. |
| CXN BUS interface for: 801QA-0050 - 801QA-0060 | |
| 806XG-0080 | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |
| Accessories | |
| 001 LOCK81 | Single cylinder electric lock. |
| 001 LOCK82 | Double cylinder electric lock. |
| 001 D001 | Lock cylinder with DIN key. |
| 001 H3000 | Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m. |



KRONO

SWING GATE AUTOMATION

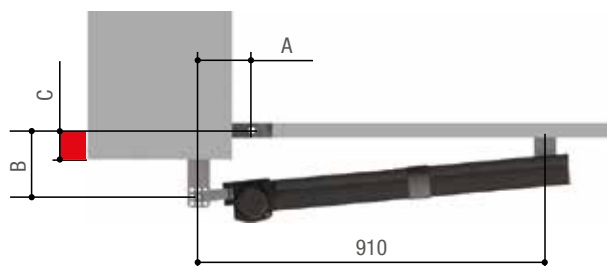
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|----------------|----------------|
| UP TO 5 m | UP TO 1000 kg | 16 CYCLES/HOUR | 120 mm SECTION |

Solution for applying in private homes

- Supporting structure in die-cast aluminium.
- Adjustable opening/closing microswitches.
- Built-in emergency release lever.



Dimensions (mm)



* 001KR510D · 001KR510S

Operational limits

| MODEL | KR300D · KR300S · KR302D · KR302S · KR310D · KR310S · KR312D · KR312S | | | |
|--------------------------|---|-----|-----|--|
| Max. width of leaf (m) | 3 | 2,5 | 2 | |
| Max. weight of leaf (kg) | 400 | 600 | 800 | |
| Max. leaf opening (°) | 120 | | | |

| MODEL | KR510D · KR510S · KR512D · KR512S | | | |
|--------------------------|-----------------------------------|-----|-----|-----|
| Max. width of leaf (m) | 5 | 4 | 3 | 2,5 |
| Max. weight of leaf (kg) | 400 | 500 | 600 | 800 |
| Max. leaf opening (°) | 120 | | | |

Application dimensions (mm)

| MODELS | KR300D · KR300S · KR302D · KR302S · KR310D · KR310S · KR312D · KR312S | | |
|------------------|---|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 130 | 60 |
| 120 | 130 | 110 | 50 |

| MODELS | KR510D · KR510S · KR512D · KR512S | | |
|------------------|-----------------------------------|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 200 | 200 | 120 |
| 130 | 200 | 140 | 70 |

Technical characteristics

| MODELS | KR300D/S | KR310D/S | KR510D/S | KR302D/S | KR312D/S | KR512D/S |
|------------------------------|------------|------------|------------|------------|------------|------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Absorption (A) | 1,1 | 1,1 | 1,1 | 1,35 | 1,35 | 1,35 |
| Power (W) | 240 | 240 | 240 | 300 | 300 | 300 |
| Maneuvering time at 90° (s) | 22 | 22 | 34 | 15 | 15 | 22 |
| Cycles/Hour | 16 | 16 | 10 | 16 | 16 | 10 |
| Thrust (N) | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | 150 | 150 |

● 230 V AC

Code Description

| 230 V AC Gearmotors | |
|--|---|
| 001 KR300D | Irreversible right 230 V gearmotor for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR300S | Irreversible left 230 V gearmotor for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR310D | Irreversible right 230 V gearmotor with opening and closing limit-switch micro-switches, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR310S | Irreversible left 230 V gearmotor with opening and closing limit-switch micro-switches, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR510D | Irreversible right 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg. |
| 001 KR510S | Irreversible left 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg. |
| 230 V AC Operators - RAPID version | |
| 001 KR302D | Irreversible right 230 V gearmotor, rapid version, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR302S | Irreversible left 230 V gearmotor, rapid version, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR312D | Irreversible right 230 V gearmotor, rapid version, with opening and closing limit-switch microswitches, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR312S | Irreversible left 230 V gearmotor, rapid version, with opening and closing limit-switch microswitches, for swing gates with up to 3 m leaves that weighs up to 400 kg. |
| 001 KR512D | 230 V right irreversible operator, fast version, with opening and closing limit switches for swing gates with leaves up to 5 m that weigh 400 kg. |
| 001 KR512S | 230 V left irreversible operator, rapid version, with opening and closing limit switches for swing gates with leaves up to 5 m that weigh 400 kg. |
| Control panels for 230 V AC gearmotors | |
| 002 ZA3P | Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting. |
| Accessories | |
| 001 KR001 | Lock cylinder with DIN key. |



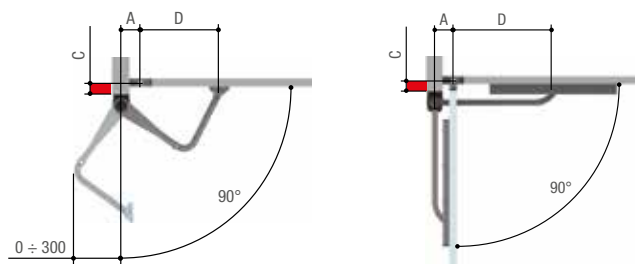
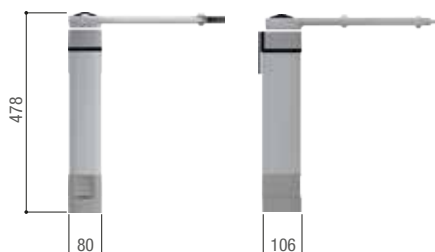
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|---------------|--------|
| UP TO 1.8 m | UP TO 150 KG | INTENSIVE USE | 200 mm |



Solution for fitting on posts where little space is available

- For installations on posts with a minimum width of 8 cm.
- Encoder-based movement control.
- Reversible or irreversible gearmotor
- They can also be installed close to a wall with the STYLO-BD accessory.
- Ready for operation in case of power outage.
- Custom-key release system.

Dimensions (mm)



Operational limits

| MODEL | STYLO-ME · STYLO-RME | | |
|--------------------------|---|-----|-----|
| Max. width of leaf (m) | 1,8 | 1,2 | 0,8 |
| Max. weight of leaf (kg) | 100 | 125 | 150 |
| Max. leaf opening (°) | 120 (with STYLO-BS arm) - 135 (with STYLO-BD arm) | | |

Application dimensions (mm)

| ARTICULATED ARM | | STYLO-BS | |
|------------------|-----|----------|--------|
| LEAF OPENING (°) | A | D | C Max. |
| 90 | 90 | 450 | 0 |
| 90 | 90 | 450 | 180 |
| 90 | 130 | 450 | 180 |
| 120 | 170 | 450 | 0 |
| STRAIGHT ARM | | STYLO-BD | |
| LEAF OPENING (°) | A | D | C Max. |
| 90 | 90 | 400 | 200 |
| 90 | 230 | 300 | 180 |
| 135 | 230 | 300 | 0 |

Technical characteristics

| MODELS | STYLO-ME | STYLO-RME |
|-----------------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 |
| Power supply to motor (V) | 24 DC | 24 DC |
| Absorption (A) | 5 Max. | 5 Max. |
| Power (W) | 48 | 48 |
| Maneuvering time at 90° (s) | ADJUSTABLE | ADJUSTABLE |
| Duty/cycle (%) | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Thrust (N) | 100 | 100 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

Code Description

24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

001STYLO-ME



Irreversible 24 V gearmotor with encoder for swing gates with up to 1.8 m leaves that weighs up to 100 kg.



001STYLO-RME



Reversible 24 V gearmotor with encoder for swing gates with up to 1.8 m leaves that weighs up to 100 kg.

Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453

801QA-0050



ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0060



ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



Accessori per: 801QA-0050 - 801QA-0060

002RLB



Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080



BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



Accessories

001STYLO-BS

Folding drive arm.



001STYLO-BD

Straight drive arm and track with mechanical opening limit-switch.



Accessories for: 001STYLO-RME

001LOCK81

Single cylinder electric lock.



001LOCK82

Double cylinder electric lock.



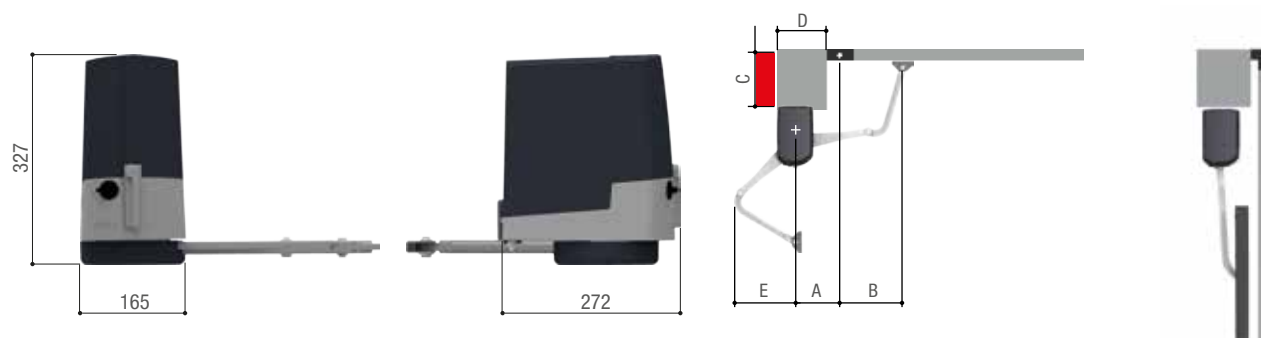
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|----------------|--------|
| UP TO 2 m | UP TO 250 kg | 40 CYCLES/HOUR | 300 mm |

Solution for applying in private homes and apartment buildings, on small and medium-sized gate posts

- Encoder-based movement control.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- Ready for operation in case of power outage.
- Self-diagnosing safety devices.
- User-friendly release lever for manually opening the gate.



Dimensions (mm)



Application dimensions (mm)

| MODELS | 801MB-0080 • 801MB-0050 | | | | |
|------------------|-------------------------|--------------------------------|----------|--------------------------------|--------------------------------|
| LEAF OPENING (°) | A | B | D | E | C Max. |
| 90 | 140 | 420 (490 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 150 (300 with item 801XC-0070) |
| 90 | 160 ÷ 180 | 380 (460 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 150 (300 with item 801XC-0070) |
| 110 | 200 ÷ 220 | 400 (470 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 50 (300 with item 801XC-0070) |

Operational limits

| MODELS | 801MB-0080 • 801MB-0050 | | |
|--------------------------|-------------------------|-----|-----|
| Max. length of leaf (m) | 2 | 1,7 | 1 |
| Max. weight of leaf (kg) | 200 | 225 | 250 |
| Max. leaf opening (°) | | 110 | |

Technical characteristics

| MODELS | 801MB-0080 | 801MB-0050 |
|-----------------------------|---------------|---------------|
| Protection rating (IP) | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | - |
| Power supply to motor (V) | 24 DC | 24 DC |
| Absorption (A) | 4 Max. | 4 Max. |
| Power (W) | 140 | 140 |
| Maneuvering time at 90° (s) | from 19 to 25 | from 20 to 30 |
| Cycles/Hour | 40 | 40 |
| Thrust (N) | 180 | 180 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MB-0080



FTL20DGC - Irreversible 24 V gearmotor featuring a control board with dip-switch settings, on-board radio decoding with C Max. 150 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey cover.



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MB-0050



FTL20DGS - Irreversible 24 V operator with hinged transmission arm for swing gates with Max. C of 150 mm with leaves up to 2 m long that weighs up to 200 kg. RAL7024-gray cover.



Accessories for: 801MB-0080

001RGP1

Green Power module to disconnect the transformer for energy saving while the operator is not in use.



001R800

Control board for decoding and access-control management via keypad selectors.



Accessories for: 801MB-0080

002RLB

Circuit board for emergency operation and battery charging.



Accessories

001STYLO-BD

Straight drive arm and track with mechanical opening limit-switch.



801XC-0070

Hinged arm for increasing to 250 mm the maximum C-distance.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use. The handy lever releases the gearmotor for manually opening the gate.

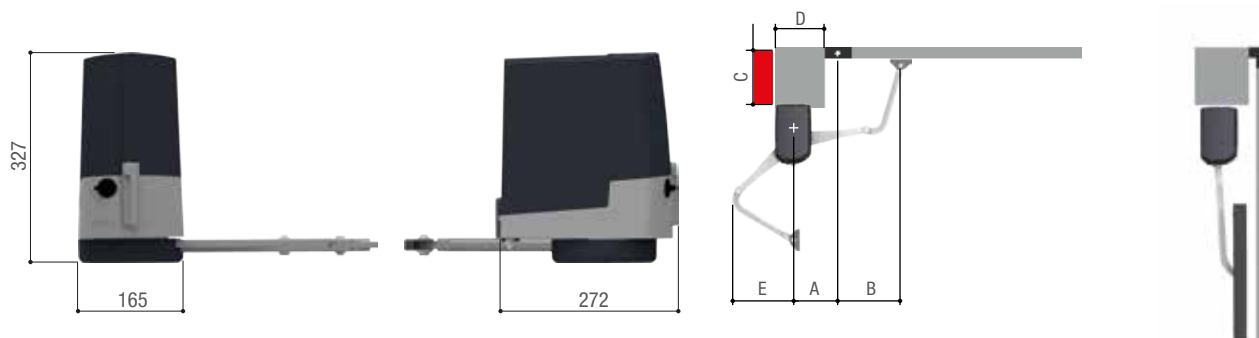
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|----------------|--------|
| UP TO 2 m | UP TO 250 kg | 40 CYCLES/HOUR | 300 mm |

Solution for applying in private homes and apartment buildings, on small and medium-sized gate posts

- Encoder-based movement control.
- Control board with terminal blocks, display and storage for up to 250 users.
- Ready for operation in case of power outage.
- Self-diagnosing safety devices.
- User-friendly release lever for manually opening the gate.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

| MODELS | 801MB-0130 · 801MB-0140 | | | | 801MB-0150 · 801MB-0160 | |
|------------------|-------------------------|--------------------------------|----------|--------------------------------|--------------------------------|--------------------------------|
| LEAF OPENING (°) | A | B | D | E | C Max. | C Max. |
| 90 | 140 | 420 (490 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 150 (300 with item 801XC-0070) | 250 (300 with item 801XC-0070) |
| 90 | 160 ÷ 180 | 380 (460 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 150 (300 with item 801XC-0070) | 250 (300 with item 801XC-0070) |
| 110 | 200 ÷ 220 | 400 (470 with item 801XC-0070) | Min. 150 | 310 (410 with item 801XC-0070) | 50 (300 with item 801XC-0070) | 50 (300 with item 801XC-0070) |

Operational limits

| MODELS | 801MB-0130 · 801MB-0140 · 801MB-0150 · 801MB-0160 | | | |
|--------------------------|---|-----|-----|-----|
| Max. length of leaf (m) | 2 | 1,7 | 1,5 | 1 |
| Max. weight of leaf (kg) | 200 | 225 | 230 | 250 |
| Max. leaf opening (°) | 110 | | | |

Technical characteristics

| MODELS | 801MB-0130 | 801MB-0150 | 801MB-0140 | 801MB-0160 |
|-----------------------------|------------|------------|------------|------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC | 24 DC |
| Absorption (A) | 4 Max. | 4 Max. | 4 Max. | 4 Max. |
| Power (W) | 140 | 140 | 140 | 140 |
| Maneuvering time at 90° (s) | 13 ÷ 30 | 13 ÷ 30 | 13 ÷ 30 | 13 ÷ 30 |
| Cycles/Hour | 40 | 40 | 40 | 40 |
| Thrust (N) | 180 | 180 | 180 | 180 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MB-0130 FTX20DGC - Irreversible 24 V operator, fast version, complete with control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with Max. C of 150 mm with leaves up to 2 m long that weighs up to 200 kg. RAL7024-gray cover.

801MB-0150 FTX20DLC - Irreversible 24 V operator, fast version, complete with control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with Max. C of 250 mm with leaves up to 2 m long that weighs up to 200 kg. RAL7024-gray cover.

24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MB-0140 FTX20DGS - Irreversible 24 V operator, fast version, with hinged transmission arm for swing gates with Max. C of 150 mm with leaves up to 2 m long that weighs up to 200 kg. RAL7024-gray cover.

801MB-0160 FTX20DLS - Irreversible 24 V operator, fast version, with hinged transmission arm for swing gates with Max. C of 250 mm with leaves up to 2 m long that weighs up to 200 kg. RAL7024-gray cover.

Control panels running on 24 V DC tested in compliance with standards EN 12453

002ZL65 Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding.

801QA-0050 ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.

801QA-0060 ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



WE CONNECT. YOU CONTROL.

Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety. CAME CONNECT make all our products available on the web where you can manage and control them from smartphones and tablets. Download CAME AUTOMATION APP from Google play or App Store.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use. The handy lever releases the gearmotor for manually opening the gate.

THE COMPLETE RANGE

Code Description

Accessories for complete automations: 801MB-0130 - 801MB-0150

| | |
|-----------------|--|
| 001 RGP1 | Green Power module to disconnect the transformer for energy saving while the operator is not in use. |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |

24 V accessories for complete operators: 801MB-0130 - 801MB-0150

| | |
|----------------|---|
| 002 RLB | Circuit board for emergency operation and battery charging. |
|----------------|---|



CXN BUS interface for: 801QA-0050 - 801QA-0060

| | |
|--------------------|--|
| 806 XG-0080 | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |
|--------------------|--|



Accessories

| | |
|---------------------|---|
| 001 LOCK81 | Single cylinder electric lock. |
| 001 LOCK82 | Double cylinder electric lock. |
| 001 STYLO-BD | Straight drive arm and track with mechanical opening limit-switch. |
| 001 H3000 | Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m. |
| 001 RSWN001 | Pull-cord remote release device for operators. |





BKV

**EFFICIENT AND ROBUST FOR
LARGE GATES**

FIND OUT MORE ON PAGE 60

CAME 

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FAST 70

SWING GATE AUTOMATION



CONNECT



24 V



EN TESTED



ENCODER



RIO SYSTEM 2.0

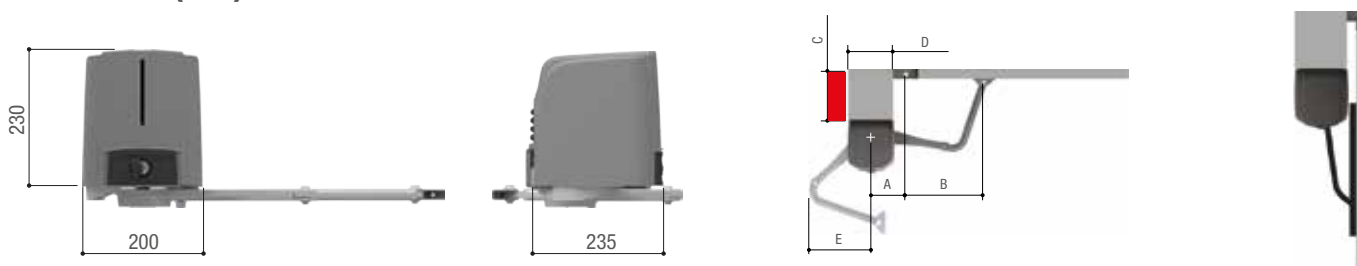
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|-----|--------|
| UP TO 2.3 m | UP TO 300 kg | 30% | 300 mm |

Solution for applying in private homes and apartment buildings, on medium and large-sized gate posts

- Control board with terminal blocks, dip switches and storage for up to 1000 users.
- Ready for operation in case of power outage.
- Self-diagnosing safety devices.
- Also available in 230 V AC version with technical specifications other those indicated above.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

| MODELS | FA70230CB · FA70230 · FA7024CB · FA7024 | | | | | 801MB-0090 · 801MB-0100 | | | | |
|------------------|---|------------|----------|------------|------------|-------------------------|-----|----------|-----|--------|
| LEAF OPENING (°) | A | B | D | E | C Max. | A | B | D | E | C Max. |
| 90 | 140 | 420 (490*) | Min. 200 | 260 (350*) | 200 (300*) | 140 | 490 | Min. 200 | 410 | 300 |
| 90 | 160 | 380 (460*) | Min. 220 | 240 (320*) | 200 (300*) | 160 | 460 | Min. 220 | 410 | 300 |
| 90 | 180 | 380 (460*) | Min. 240 | 240 (320*) | 200 (300*) | 180 | 460 | Min. 240 | 410 | 300 |
| 110 | 220 | 380 (450*) | Min. 280 | 310 (400*) | 50 (50*) | 220 | 470 | Min. 280 | 410 | 50 |
| 110 | 240 | 380 (450*) | Min. 300 | 310 (400*) | 50 (50*) | 240 | 470 | Min. 300 | 410 | 50 |

* with item 801XC-0070

Operational limits

| MODEL | | FA70230CB · FA70230 · FA7024CB · FA7024 · 801MB-0090 · 801MB-0100 | | | |
|--------------------------|-----|---|--|-----|--|
| Max. width of leaf (m) | 2,3 | 2 | | 1,5 | |
| Max. weight of leaf (kg) | 200 | 215 | | 250 | |
| Max. leaf opening (°) | 110 | | | | |

Technical characteristics

| MODELS | FA70230CB | FA70230 | FA7024CB | FA7024 | 801MB-0090 | 801MB-0100 |
|------------------------------|-----------|-----------|-----------|-----------|------------|------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | - | 230 AC | - |
| Power supply to motor (V) | 230 AC | 230 AC | 24 DC | 24 DC | 24 DC | 24 DC |
| Absorption (A) | 1,4 | 1,4 | - | - | - | - |
| Power (W) | 160 | 160 | 140 | 140 | 140 | 140 |
| Maneuvering time at 90° (s) | 15 | 15 | 13 ÷ 30 | 13 ÷ 30 | 13 ÷ 30 | 13 ÷ 30 |
| Duty/cycle (%) | 30 | 30 | - | - | - | - |
| Cycles/Hour | - | - | 65 | 65 | 65 | 65 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | - | - | - | - |

● 230 V AC ● 24 V DC

Code Description

230 V AC automated operators

001**FA70230CB** Irreversible 230 V gearmotor featuring a control board and hinged transmission arm with C Max. 200 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



230 V AC Gearmotors

001**FA70230** Irreversible 230 V gearmotor with hinged transmission arm and C Max. 200 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



Automated operators running on 24 V DC with max. C-distance of 200 mm tested in compliance with standards EN 12453

001**FA7024CB** Irreversible 24 V gearmotor featuring a control board with functions display, on-board radio decoding and hinged transmission arm with C Max. 200 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



Gearmotors running on 24 V DC with max. C-distance of 200 mm tested in compliance with standards EN 12453

001**FA7024** Irreversible 24 V gearmotor with hinged transmission arm and C Max. 200 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



Automated operators running on 24 V DC with max. C-distance of 300 mm tested in compliance with standards EN 12453

801**MB-0090** FST23DLC - Irreversible 24 V gearmotor featuring a control board with functions display, on-board radio decoding and hinged transmission arm with C Max. 300 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



Gearmotors running on 24 V DC with max. C-distance of 300 mm tested in compliance with standards EN 12453

801**MB-0100** FST23DLS - Irreversible 24 V gearmotor with hinged transmission arm and C Max. 300 mm for swing gates with up to 2.3 m leaves that weighs up to 200 kg.



Control panels running on 24 V DC tested in compliance with standards EN 12453

002**ZL65** Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding.



801**QA-0050** ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.



801**QA-0060** ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



THE COMPLETE RANGE

Code Description

Accessories for: 002ZL65

| | |
|-----------------|--|
| 001 RGP1 | Green Power module to disconnect the transformer for energy saving while the operator is not in use. |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |

Accessori per: 002ZL65 - 801QA-0050 - 801QA-0060

| | |
|----------------|---|
| 002 RLB | Circuit board for emergency operation and battery charging. |
|----------------|---|



Accessories for: 002RLB

| | |
|------------------|----------------------|
| 001 LBF70 | Batteries brace kit. |
|------------------|----------------------|

CXN BUS interface for: 801QA-0050 - 801QA-0060

| | |
|--------------------|--|
| 806 XG-0080 | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |
|--------------------|--|



Accessories

| | |
|---------------------|---|
| 001 STYLO-BD | Straight drive arm and track with mechanical opening limit-switch. |
| 001 LOCK81 | Single cylinder electric lock. |
| 001 LOCK82 | Double cylinder electric lock. |
| 001 H3000 | Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m. |



NOTES:
002RLB - Two 12 V - 3.4 Ah batteries - not supplied - on the 001FA7024 the internal housing is included.



ATS

**THE UNIVERSAL
TELESCOPIC MOTOR
FOR SWING GATES**

FIND OUT MORE ON PAGE 76

CAME 

[CAME.COM](https://www.came.com)

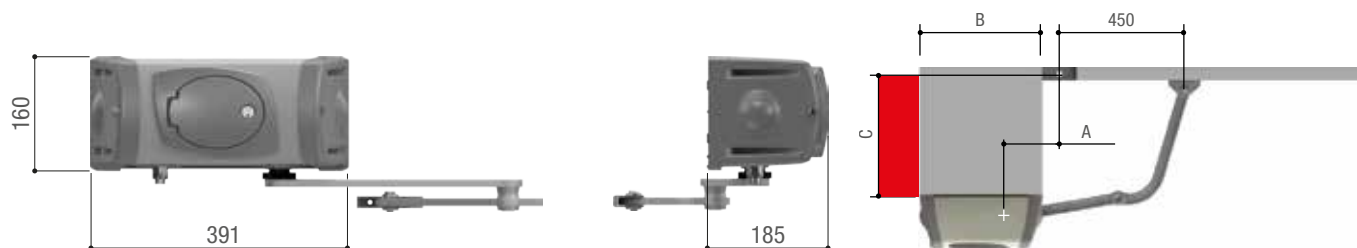
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | C MAX. |
|---------------------|---------------------|---------------|--------|
| UP TO 4 m | UP TO 800 kg | INTENSIVE USE | 380 mm |

Solution for applying in private homes and apartment buildings, on large-sized gate posts

- Encoder-based movement control.
- Solid anodized aluminium cover.
- Straight transmission arms for applications in limited space (item 001FERNI-BDX - 001FERNI-BSX).
- Lever release system protected by key.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

| MODELS | FE40230 · FE40230V · FE4024 · FE4024V | | |
|------------------|---------------------------------------|--------|--------|
| LEAF OPENING (°) | A | B min. | C Max. |
| 90 | 150 | 390 | 380 |
| 120 | 200 | 390 | 0 |

Operational limits

| MODEL | FE40230 · FE40230V · FE4024 · FE4024V | | | | |
|--------------------------|---------------------------------------|-----|-----|-----|-----|
| Max. width of leaf (m) | 4 | 3.5 | 3 | 2.5 | 2 |
| Max. weight of leaf (kg) | 400 | 450 | 500 | 600 | 800 |
| Max. leaf opening (°) | 120 | | | | |

| MODEL | FE4024 (with the 001FERNI-BDX and 001FERNI-BSX drive arm) | | |
|--------------------------|--|-----|-----|
| Max. width of leaf (m) | 2,5 | 2 | 1,5 |
| Max. weight of leaf (kg) | 300 | 500 | 500 |
| Max. leaf opening (°) | 120 | | |

Technical characteristics

| MODELS | FE40230 | FE40230V | FE4024 | FE4024V |
|------------------------------|-----------------|-----------------|--------------------|--------------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | - | - |
| Power supply to motor (V) | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 24 DC | 24 DC |
| Absorption (A) | 1,2 | 1,3 | 7 Max. | 5 Max. |
| Power (W) | 140 | 150 | 130 | 150 |
| Maneuvering time at 90° (s) | 34 | 18 | ADJUSTABLE | ADJUSTABLE |
| Duty/cycle (%) | 30 | 30 | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Thrust (N) | 540 | 320 | 360 | 360 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | - | - |

Code Description

230 V AC Gearmotors

001**FE40230V** Irreversible 230 V gearmotor, rapid version, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.



230 V AC gearmotors tested in compliance with regulatory standards EN 12453

001**FE40230** Irreversible 230 V gearmotor with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.



Control panels for 230 V AC gearmotors

002**ZM3E** Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding.



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

001**FE4024** Irreversible 24 V gearmotor, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.



001**FE4024V** Irreversible 24 V gearmotor, rapid version, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.



Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453

801QA-0050 ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0060 ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



Accessori per: 801QA-0050 - 801QA-0060

002**RLB** Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080 BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



Accessories for: 001FE40230V - 001FE4024 - 001FE40230V - 001FE4024V

001**FERNI-BDX** Straight right-hand drive arm and track.

001**FERNI-BSX** Straight left-hand drive arm and track.



Accessories

001**LOCK81** Single cylinder electric lock.

001**LOCK82** Double cylinder electric lock.

001**H3000** Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



NOTES:

WARNING: 001FE40230V + 002ZM3E are not tested in compliance with standards EN12453 - EN 12445.

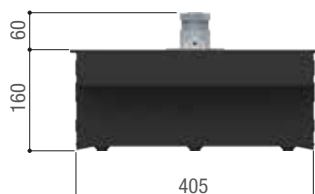
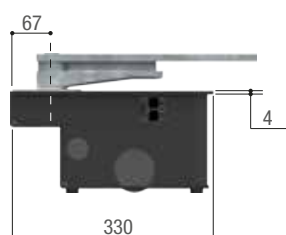
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | TYPES |
|---------------------|---------------------|---------------|--------------|
| UP TO 3.5 m | UP TO 800 kg | INTENSIVE USE | BELOW-GROUND |

Concealed solution for applying in private homes or apartment buildings



- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Foundation box in steel with anticorrosive treatment, or in AISI 304 stainless steel.
- System automatically resets after the gate is manually released.
- Integrated, adjustable mechanical limit switches.
- Opening up to 180° (with FL-180 accessory).
- Ready for operation in case of power outage in the 24 V DC versions.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



A = Min. 67

Operational limits

| MODEL | FROG-AV | | | | |
|--------------------------|----------------------|-----|-----|---|-----|
| Max. width of leaf (m) | | | | | 1,3 |
| Max. weight of leaf (kg) | | | | | 300 |
| MODEL | FROG-A • FROG-AE | | | | |
| Max. width of leaf (m) | 3,5 | 2,5 | 2 | - | |
| Max. weight of leaf (kg) | 400 | 600 | 800 | - | |
| MODEL | FROG-A24 • FROG-A24E | | | | |
| Max. width of leaf (m) | 3,5 | 2,5 | 2 | - | |
| Max. weight of leaf (kg) | 400 | 600 | 800 | - | |
| Max. leaf opening (°) | 110 | | | | |

Technical characteristics

| MODELS | FROG-AE | FROG-A | FROG-AV | FROG-A24 | FROG-A24E |
|------------------------------|-----------|-----------|-----------|--------------------|--------------------|
| Protection rating (IP) | 67 | 67 | 67 | 67 | 67 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | - | - |
| Power supply to motor (V) | 230 AC | 230 AC | 230 AC | 24 DC | 24 DC |
| Absorption (A) | 1,9 | 1,9 | 2,5 | 15 Max. | 15 Max. |
| Power (W) | 460 | 460 | 300 | 180 | 180 |
| Maneuvering time at 90° (s) | 18 | 18 | 9 | ADJUSTABLE | ADJUSTABLE |
| Duty/cycle (%) | 30 | 30 | 30 | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Cycles/Hour | 11 | 11 | - | - | - |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | - | - |

● 230 V AC ● 24 V DC

Code Description

230 V AC below-ground gearmotors

001FROG-A Irreversible underground 230 V gearmotor with adjustable leaf-closing for swing gates with up to 3.5 m leaves that weighs up to 400 kg.

001FROG-AV Irreversible underground 230 V gearmotor, rapid version, with adjustable leaf-closing for swing gates with up to 1.3 m leaves that weighs up to 300 kg.



Control panels for 230 V AC gearmotors

002ZA3P Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.



Below-ground 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453

001FROG-AE Irreversible underground 230 V gearmotor with encoder and adjustable leaf-closing for swing gates with up to 3.5 m leaves that weighs up to 400 kg.



Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453

002ZM3E Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding.



Below-ground 24 V DC operators

001FROG-A24 Irreversible underground 24 V gearmotor with adjustable leaf-closing for swing gates with up to 3.5 m leaves that weighs up to 400 kg.



Below-ground, 24 V DC operators, tested in compliance with regulatory standards EN 12453

001FROG-A24E Irreversible underground 24 V gearmotor with adjustable leaf-closing for swing gates with up to 3.5 m leaves that weighs up to 400 kg.



Control panels for 24 V gearmotors

801QA-0050 ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0060 ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



Accessori per: 801QA-0050 - 801QA-0060

002RLB Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080 BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



THE COMPLETE RANGE

Code Description

Accessories for: 001FROG-A - 001FROG-AV - 001FROG-AE - 001FROG-A24E

001**FL-180** Drive chain lever for up to 180° openings and gate leaves of max. 2 m in length.

Accessories

001**FROG-CFNI** AISI 304 steel foundation box, complete with release latching-lever, gate fastening brace, slots for fastening to post, and screw for adjusting the opening limit-switch point.

001**FROG-CFN** Stainless steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace, slots for fastening to post, and spring for adjusting the opening limit-switch point.

001**LOCK81** Single cylinder electric lock.

001**LOCK82** Double cylinder electric lock.

001**A4364** Release device with lever key.

001**A4365** Release device with trilobe key.

801XA-0030 Release device with customized key and EURO-DIN cylinder.

001**A4370** Transmission lever for openings up to 140°.



NOTES:
001FL-180 - 001A4370 - Accessories for 2-m long gate leaves.



KRX

**FLASHING LIGHT WITH
LED LIGHT AVAILABLE
IN 3 COLORS**

FIND OUT MORE ON PAGE 226

CAME 

[CAME.COM](https://www.came.com)



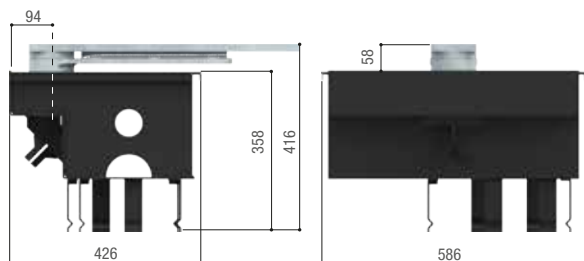
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | TYPES |
|---------------------|---------------------|----------------|--------------|
| UP TO 7 m | UP TO 1000 kg | 10 CYCLES/HOUR | BELOW-GROUND |

Concealed solution for applying in private homes or apartment buildings

- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Equipped with encoder.
- Integrated, adjustable mechanical limit switches.
- System automatically resets after the gate is manually released.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



A = Min. 94

Operational limits



| MODEL | FROG-PM4 | | | | |
|--------------------------|----------|-----|------|------|------|
| Max. width of leaf (m) | 5,5 | 4,5 | 3,5 | 2,5 | 1,5 |
| Max. weight of leaf (kg) | 700 | 900 | 1100 | 1400 | 1800 |
| MODEL | FROG-PM6 | | | | |
| Max. width of leaf (m) | 7 | 6 | 5 | 4 | |
| Max. weight of leaf (kg) | 550 | 650 | 800 | 1000 | |
| Max. leaf opening (°) | 110 | | | | |

Technical characteristics

| MODELS | FROG-PM4 | FROG-PM6 |
|------------------------------|-----------|-----------|
| Protection rating (IP) | 67 | 67 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC |
| Power supply to motor (V) | 230 AC | 230 AC |
| Absorption (A) | 2,1 | 2,1 |
| Power (W) | 500 | 500 |
| Maneuvering time at 90° (s) | 30 | 45 |
| Cycles/Hour | 10 | 6 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 |


| Code | Description |
|------|-------------|
|------|-------------|

230 V AC below-ground gearmotors

| | |
|--|---|
| 001 FROG-PM4  | Irreversible underground 230 V gearmotor with encoder and adjustable leaf-closing for swing gates with up to 5.5 m leaves that weighs up to 700 kg. |
| 001 FROG-PM6  | Irreversible underground 230 V gearmotor with encoder and adjustable leaf-closing for swing gates with up to 7 m leaves that weighs up to 550 kg. |



Control panels for 230 V AC gearmotors

| | |
|---|---|
| 002 ZM3EP  | Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding. |
|---|---|



Accessories

| | |
|--------------------|---|
| 001 FROG-PC | Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point. |
| 001 A4801 | Micro limit-switch IP67 designed for applications in critical climatic conditions. |
| 001 A4364 | Release device with lever key. |
| 001 A4365 | Release device with trilobe key. |
| 801XA-0030 | Release device with customized key and EURO-DIN cylinder. |
| 001 LOCK81 | Single cylinder electric lock. |
| 001 LOCK82 | Double cylinder electric lock. |



SUPER FROG

SWING GATE AUTOMATION



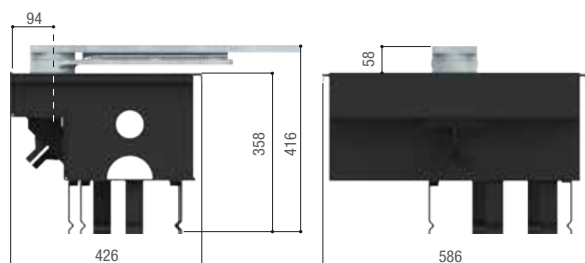
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE | TYPES |
|---------------------|---------------------|-----|--------------|
| UP TO 8 m | UP TO 1500 kg | 50% | BELOW-GROUND |



Concealed solution for special applications

- The invisible solution to power your gate
- Power supply 230 - 400 V AC triphase to offer maximum performance
- Protection rating against weathering agents IP67.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



A = Min. 100

Operational limits

| MODEL | FROG-MD · FROG-MS | | | | | |
|--------------------------|-------------------|-----|-----|------|------|------|
| Max. width of leaf (m) | 8 | 7 | 6 | 5 | 4 | < 4 |
| Max. weight of leaf (kg) | 600 | 700 | 800 | 1000 | 1200 | 1500 |
| Max. leaf opening (°) | 95 | | | | | |


Technical characteristics


| MODELS | FROG-MD | FROG-MS |
|-----------------------------|---------------------------|---------------------------|
| Protection rating (IP) | 67 | 67 |
| Power supply (V - 50/60 Hz) | 230/ 400 V AC THREE PHASE | 230/ 400 V AC THREE PHASE |
| Power supply to motor (V) | 230/ 400 V AC THREE PHASE | 230/ 400 V AC THREE PHASE |
| Absorption (A) | 2.5 max. | 2.5 max. |
| Power (W) | 600 | 600 |
| Maneuvering time at 90° (s) | 45 | 45 |
| Duty/cycle (%) | 50 | 50 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

● 230 – 400 V AC THREE PHASE

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| 230 - 400 V AC three-phase below-ground gearmotors | |
|---|--|

| | |
|---|---|
| 001 FROG-MD  | Right-side irreversible underground 230 - 400 V gearmotor for swing gates with up to 8 m leaves that weighs up to 600 kg. |
|---|---|

| | |
|---|--|
| 001 FROG-MS  | Left-side irreversible underground 230 - 400 V gearmotor for swing gates with up to 8 m leaves that weighs up to 600 kg. |
|---|--|

| | |
|--|--|
| 230 - 400 V AC three-phase control panels | |
|--|--|

| | |
|---|--|
| 002 ZM3ES  | Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices. |
|---|--|

| | |
|-----------------------|--|
| Foundation box | |
|-----------------------|--|

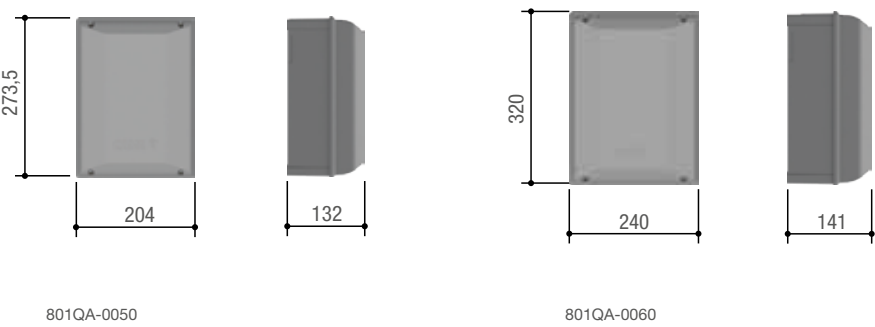
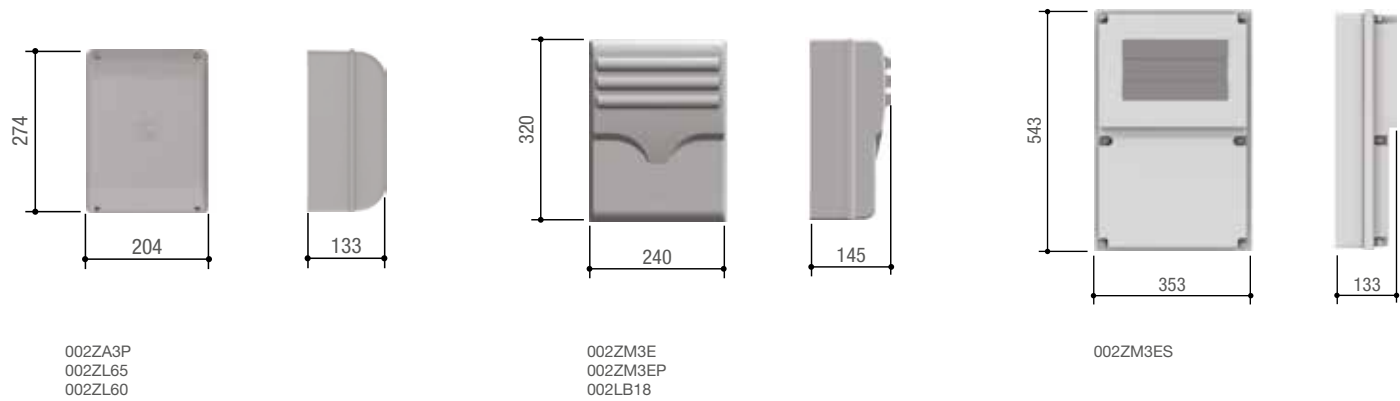
| | |
|--------------------|--|
| 001 FROG-CD | Right-hand, steel cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop. |
|--------------------|--|

| | |
|--------------------|---|
| 001 FROG-CS | Left-hand, steel cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop. |
|--------------------|---|



CONTROL PANEL DIMENSIONS

Dimensions (mm)



The table lists all of the characteristics of swing-gate control panels.

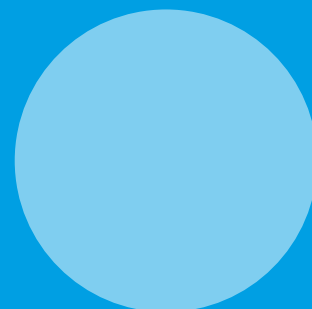
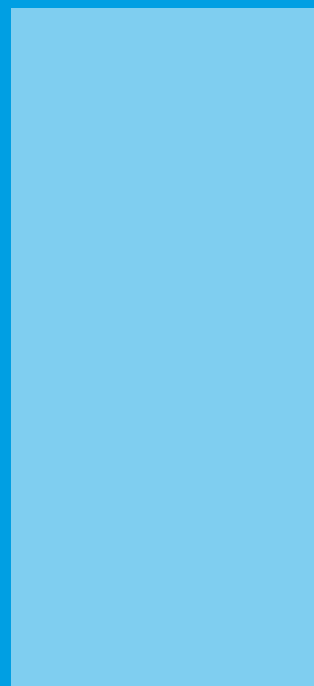
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

| Models / Series | ATS STYLO FAST70 AXI FERNI AXO ATI FROG | ATS STYLO FAST70 AXI FERNI AXO ATI FROG | ATS ATI KRONO FROG FAST70 FERNI | ATS AXO FERNI FROG | FROG PLUS | SUPER FROG | ATS AXI FTX FAST70 | AXL FTL |
|---|--|--|--|-----------------------------|-----------|------------|-----------------------------|------------|
| Control board / Control panel | 801QA-0050 | 801QA-0060 | ZA3P | ZM3E | ZM3EP | ZM3ES | ZL65 | ZL60 |
| Safety | | | | | | | | |
| SELF-DIAGNOSING safety devices | ● | ● | ● | ● | ● | ● | ● | ● |
| PRE-FLASHING when opening and closing | ● | ● | ● | ● | ● | ● | ● | ● |
| REOPENING during closing | ● | ● | ● | ● | ● | ● | ● | ● |
| CLOSING AGAIN during opening | ● | ● | ● | ● | ● | ● | ● | ● |
| Obstruction WAIT | ● | ● | | ● | ● | ● | ● | ● |
| TOTAL STOP | ● | ● | ● | ● | ● | ● | ● | ● |
| PARTIAL STOP | ● | ● | ● | ● | ● | ● | ● | ● |
| REOPENING when closing and with immediate closing once the obstruction is removed | ● | ● | | | | | | |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | ● | ● | ● | ● | ● | ● |
| ENCODER | ● | ● | | ● | ● | | ● | ● |
| Virtual ENCODER | ● | ● | | | | | | |
| AMPEROMETRIC DETECTION | ● | ● | | | | | ● | ● |
| Command | | | | | | | | |
| PEDESTRIAN OPENING 1 leaf | ● | ● | | ● | ● | ● | ● | ● |
| PARTIAL OPENING 1 leaf | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN ONLY from transmitter and/or from button | ● | ● | ● | ● | ● | ● | ● | ● |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● | ● |
| MAINTAINED ACTION | ● | ● | ● | ● | ● | ● | ● | ● |
| DELAYED OPENING 1st leaf | ● | ● | ● | ● | ● | ● | ● | ● |
| DELAYED OPENING 2nd leaf | ● | ● | ● | ● | ● | ● | ● | ● |
| Characteristics | | | | | | | | |
| FLASHING LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● |
| CYCLE LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● |
| COURTESY LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● |
| Antenna | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● |
| CLOSED ALERT LIGHT connection | ● | ● | | | | | | |
| Contact output for 2nd RADIO CHANNEL | | ● | ● | ● | ● | ● | | |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● | ● | ● | ● | ● | ● |
| OPERATING TIME adjusting | ● | ● | ● | ● | ● | ● | ● | ● |
| Connection for the ELECTRIC LOCK and/or RAMMING | ● | ● | ● | ● | ● | ● | ● | |
| SLEEP MODE | | | | ● | | | | |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | ● | ● | ● | ● | ● | ● |
| OPENING and/or CLOSING slow downs | ● | ● | ● | ● | ● | | ● | ● |
| EMERGENCY BATTERY operation (optional) | ● | ● | | | | | ● | ● |
| Adjustable TRAVEL and SLOW-DOWN speeds* | ● | ● | ● | ● | ● | | ● | ● |
| DISPLAY | ● | | ● | | | | ● | |
| Graphic DISPLAY | | ● | | ● | ● | ● | | |
| SELF-LEARNING opening and closing limit-switches | ● | ● | ● | ● | ● | | ● | ● |
| Compatible with CONNECT technology | ● | ● | | ● | ● | ● | ● | |
| Designed to fit RIO System 2.0 | ● | ● | | | | | ● | |
| CRP control | ● | ● | | ● | ● | ● | ● | |
| ENERGY SAVINGS control (001RGP1) | ● | ● | | ● | | | ● | ● |
| CXN BUS | ● | ● | | | | | | |
| Adaptive Speed & Torque Technology | ● | ● | | | | | | |
| Slot CAME Key | ● | ● | | | | | | |
| TIMER control | | ● | | | | | | |
| Possibility of managing two different motors | | ● | | | | | | |

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

NOTES: * 002ZA3P, 002ZM3E and 002ZM3EP only slow-down speed.

GARAGE DOOR AUTOMATION



| | |
|-----|-------------------------|
| 116 | SELECTION GUIDE |
| 122 | VER PLUS |
| 124 | VER |
| 126 | EMEGA |
| 129 | CONTROL BOARD FUNCTIONS |

Selection guide

Garage doors automations

The table summarizes the series and models with their maximum operational limits according to the door surface or the traction force.

| Series | Model | Max. surface of the door (m ²) |
|----------|-------------------|--|
| EMEGA | EM4024CB | 9 |
| EMEGA | EM4024CB + EM4024 | 14 |
| Series | Model | Maximum traction force (N) / Maximum door surface area (m ²) |
| VER | 801MV-0050 | 600 / 9 |
| VER | 801MV-0060 | 800 / 12 |
| VER PLUS | 801MV-0010 | 1000 / 18 |
| VER PLUS | 801MV-0020 | 1300 / 21 |

● 24 V DC



COUNTER-BALANCED OVERHEAD OR SPRING LOADED PARTIALLY RETRACTING DOOR

This type of door features a counter-weighted or spring-loaded balancing system.

When opening and closing the door retracts into the garage by two-thirds of its surface area.



PROTRUDING OVERHEAD GARAGE DOOR PARTIALLY RETRACTING DOOR (WITH TWO GEARMOTORS ON THE DOOR)

This type of door features a counter-weighted or spring-loaded balancing system.

When opening and closing the door retracts into the garage by two-thirds of its surface area.

The double gearmotor is fitted with insulated and/or pedestrian doors.



COUNTER-BALANCED OVERHEAD OR SPRING LOADED

This type of door is powered via traction system. Depending on the type of door, you will need to choose the right type of chain or belt as well as the right type of adapter arm for counter-weighted, protruding, partially-retracting overhead garage doors.



NON-PROTRUDING, TOTALLY RETRACTING, OVERHEAD GARAGE DOOR (WITH GEARMOTOR FITTED TO DOOR)

This type of door is balanced by counter-weights

When opening, the door fully retracts into the garage.



SECTIONAL DOOR

This type of door is spring-loaded for balance. It is made up of hinged, horizontal panels.

The flashing light for movement signaling.

CAME has always suggested installing the flashing light as an additional safety feature for the automation system. The KRX range, with LED technology, combines energy saving and great reliability with easy installation. KRX can be integrated with all CAME radio systems, is available in various colors, has a built-in radio antenna and each model can be powered from 24 V DC to 230 V AC.



COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR



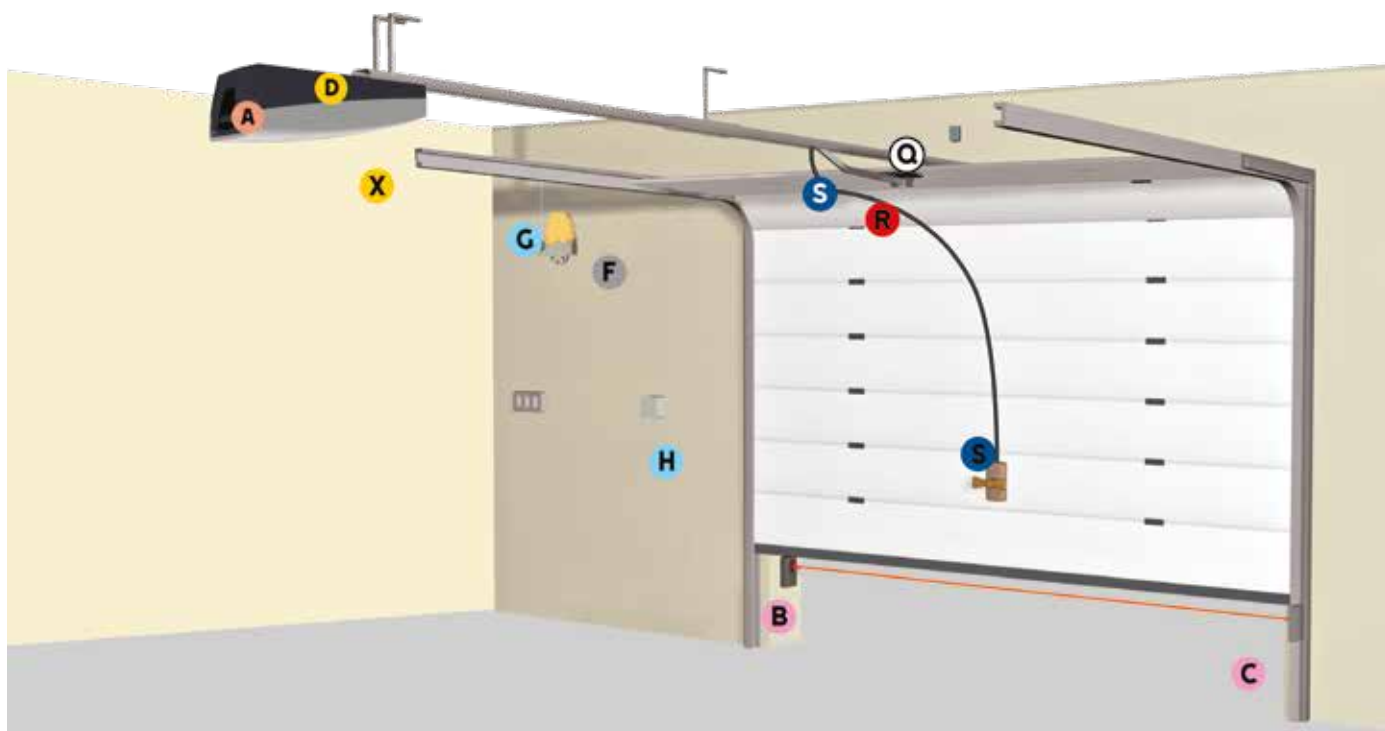
COMPONENTS

- A** Operator (gearmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- K** Adapter arm
- Q** Junction box
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-----------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

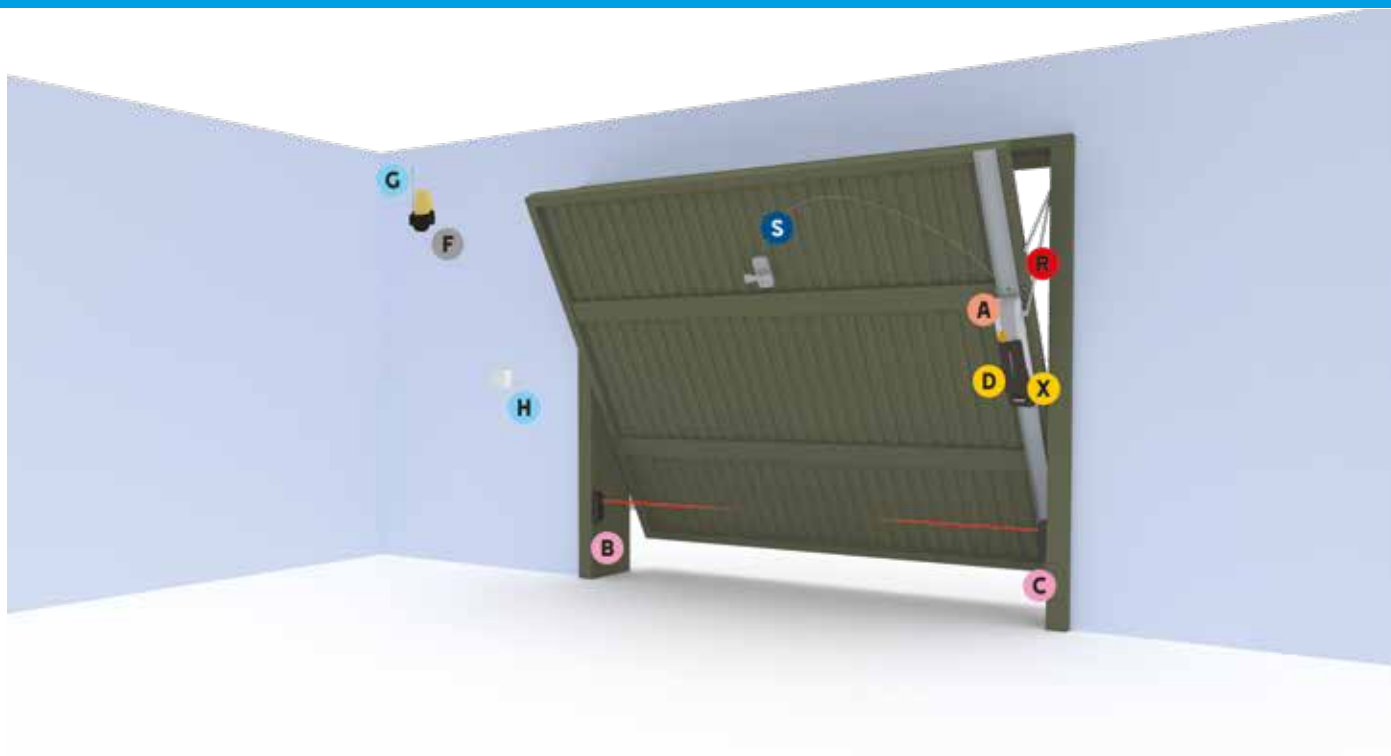
- A** Operator (gearmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- Q** Junction box
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-----------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR SINGLE MOTOR



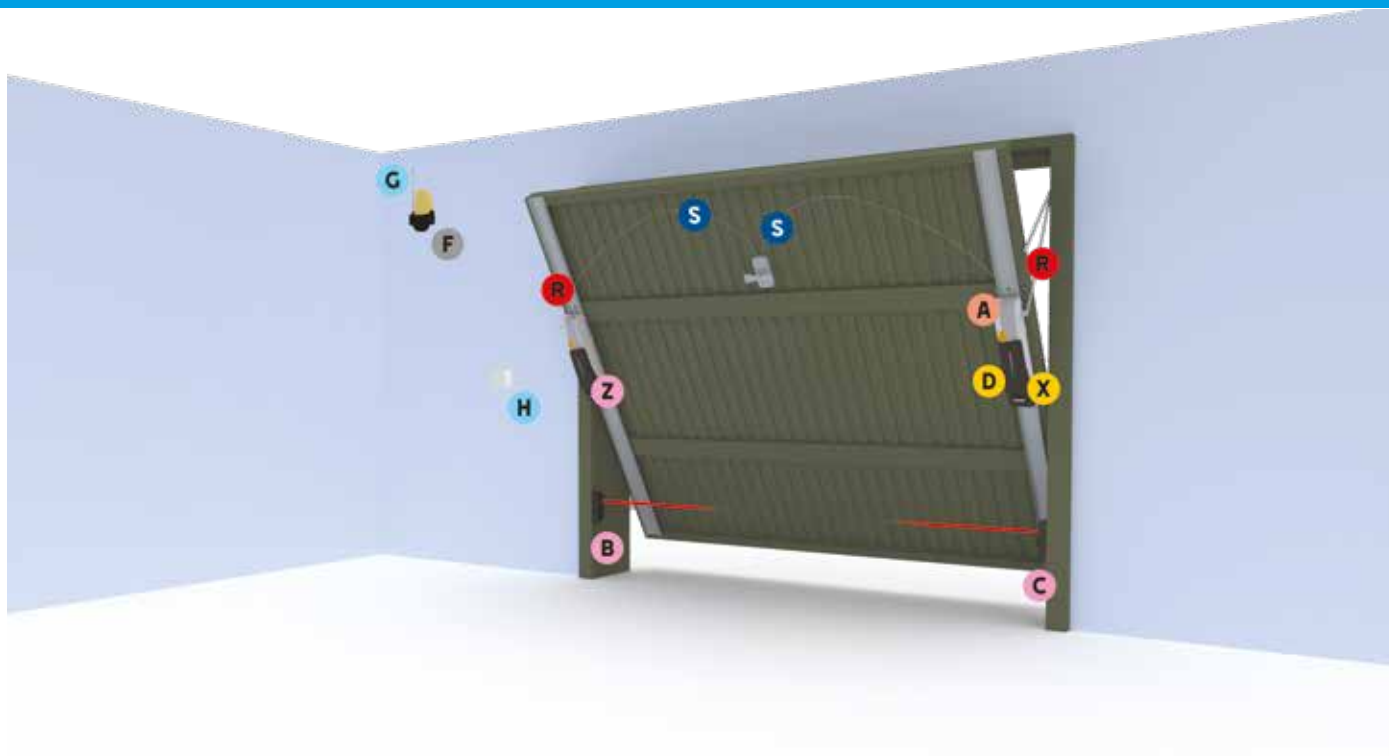
COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

VER PLUS

OVERHEAD AND SECTIONAL DOORS



CONNECT

24 V

EN TESTED

ENCODER

RIO SYSTEM 2.0

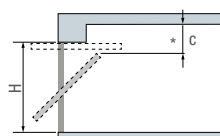
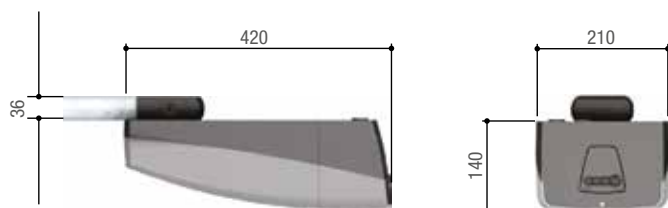
| MAXIMUM DOOR SURFACE | PULL STRENGTH | USE | TYPE/APPLICATION |
|----------------------|---------------|----------------|------------------|
| 21 m ² | 1300 N | 30 CYCLES/HOUR | PULLING |

Operator for sectional or up-and-over garage doors for use in private homes and industrial plants

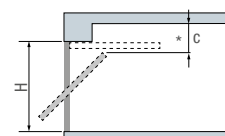


- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display for programming and viewing features.
- Ready for operation in case of power outage.
- Integrated release lever, with the possibility of operating from the outside using the door handle.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

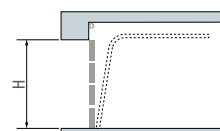
Dimensions (mm)



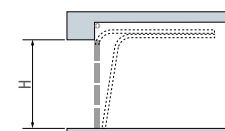
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



BM – Fully retracting, protruding overhead garage door.



STA - SECTIONAL Type A with single guide



STB - SECTIONAL Type B with double-guide

C-distance = Min. 60 mm.
H = Max. door height
* Maximum headroom of the door during movement
(at about 2/3 of opening)

Operational limits

| MODELS | 801MV-0010 | 801MV-0020 |
|--|------------|------------|
| Max. surface of the door (m ²) | 18 | 21 |

Technical characteristics

| MODELS | 801MV-0010 | 801MV-0020 |
|-----------------------------|------------|------------|
| Protection rating (IP) | 40 | 40 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC |
| Absorption (A) | 10 Max. | 10 Max. |
| Power (W) | 180 | 280 |
| Duty/cycle (%) | 50 | 50 |
| Cycles/Hour | 30 | 30 |

● 24 V DC

Code

Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

801MV-0010



VER10DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.

801MV-0020



VER13DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.

Accessories for: 801MV-0010 - 801MV-0020

801XC-0010



Device for operation during power outages and for recharging the batteries (included are two 12 V - 0.8 Ah batteries).

Accessories

001V122

Drive arm for sectional doors with the distance between the upper edge of the door and the shaft-spring assembly between 300 and 600 mm.

001V121

Pull-cord release and resetting device to fit on door handle. L = 3 m.

001V201

Adapter arm for partially protruding overhead garage doors. Max. Door height: 2.4 m.

Belt guides

001V0685

Belt guide L = 3.02 m, for doors with max. surface of 15 m².
*Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

001V0686

Belt guide L = 3.52 m, for doors with max. surface of 15 m².
*Max. door height:
BM = 2.75 m STA = 2.6 m STB = 2.7 m.

001V0688

Belt guide L = 4.02 m, for doors with max. surface of 15 m².
*Max. door height:
BM = 3.25 m STA = 3.1 m STB = 3.2 m.

001V0687

Belt guide L = 3.02 m in two pieces, for doors with max. surface of 15 m².
*Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

Chain guide

001V0679

Chain guide L = 3.02 m. * Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

001V0682

Chain guide L = 3.02 m. * Max. door height:
BM = 2.75 m STA = 2.6 m STB = 2.7 m.

001V0683

Chain guide L = 4.02 m. * Max. door height:
BM = 3.25 m STA = 3.1 m STB = 3.2 m.

001V0684

Chain guide L = 3.02 m in two pieces. * Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

Accessories for: chain guides

001V005

Extension for chain-type guide:
001V0679 - 001V0682 - 001V0683 - 001V0684 L = 1.42 m.

Note

* BC = Counter-weighted overhead - BM = Spring-loaded overhead - STA = Sectional Type A - STB = Sectional Type B



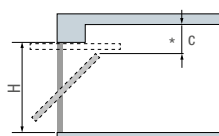
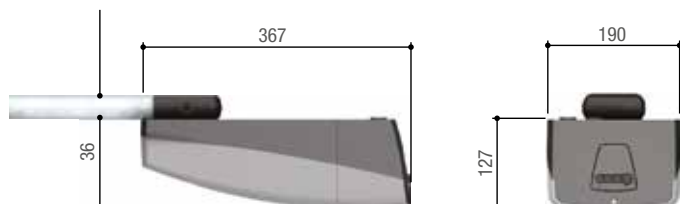
| MAXIMUM DOOR SURFACE | PULL STRENGTH | USE | TYPE/APPLICATION |
|----------------------|---------------|----------------|------------------|
| 12 m ² | 800 N | 10 CYCLES/HOUR | PULLING |

Operator for sectional or up-and-over garage doors for use in private homes

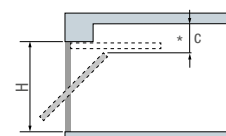
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display for programming and viewing features.
- Integrated release lever, with the possibility of operating from the outside using the door handle.



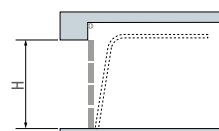
Dimensions (mm)



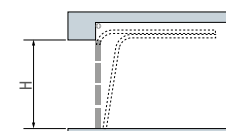
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



BM – Fully retracting, protruding overhead garage door.



STA - Sectional Type A door with single guide



STB - Sectional Type B door with double guide.

C-distance = Min. 60 mm.

H = Max. door height

* = Maximum overall dimensions, in height, of the door during movement (at about 2/3 of opening)

Operational limits

| MODELS | 801MV-0050 | 801MV-0060 |
|--|------------|------------|
| Max. surface of the door (m ²) | 9 | 12 |
| Max. traction force (N) | 600 | 800 |

Technical characteristics

| MODELS | 801MV-0050 | 801MV-0060 |
|-----------------------------|------------|------------|
| Protection rating (IP) | 20 | 20 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC |
| Cycles/Hour | 10 | 10 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |
| Maneuvering speed (m/min) | 6,6 | 8 |

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 | |
|---|--|

801MV-0050



VER06DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.

801MV-0060



VER08DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.

Accessories

001V122

Drive arm for sectional doors with the distance between the upper edge of the door and the shaft-spring assembly between 300 and 600 mm.

001V121

Pull-cord release and resetting device to fit on door handle. L = 3 m.

001V201

Adapter arm for partially protruding overhead garage doors.
Max. Door height: 2.4 m.

Chain guide

001V06001

Chain guide L = 3.02 m. *Max. door height:
BC = 2.4 m - BM = 2.25 m - STA = 2.1 m.

001V06002

Chain guide L = 3.52 m. * Max. door height:
BM = 2.75 m - STA = 2.6 m STB = 2.7 m.

001V06003

Chain guide L = 4.02 m. * Max. door height:
BM = 3.25 m - STA = 3.1 m STB = 3.2 m.

Belt guides

001V06005

Belt guide L = 3.02 m. * Max. door height:
BC = 2.4 m - BM = 2.25 m - STA = 2.1 m STB = 2.2 m.

001V06006

Belt guide L = 3.52 m. * Max. door height:
BM = 2.75 m - STA = 2.6 m STB = 2.7 m.

001V06007

Belt guide L = 4.02 m. * Max. door height:
BM = 3.25 m - STA = 3.1 m STB = 3.2 m.

Note

* BC = Counter-weighted overhead - BM = Spring-loaded overhead - STA = Sectional Type A - STB = Sectional Type B

ATTENTION

801MV-0050 - 801MV-0060 PRODUCTS AVAILABLE ONLY IN KITS. CONTACT THE SALES DEPARTMENT FOR INFORMATION.



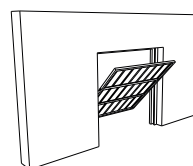
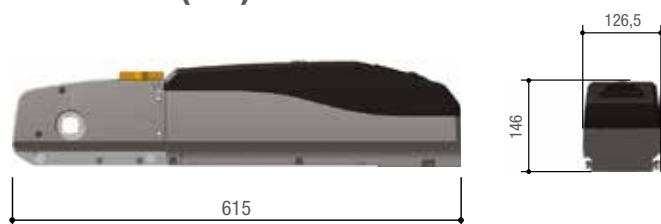
| MAXIMUM DOOR SURFACE | SPEED | USE | TYPE/APPLICATION |
|----------------------|------------|---------------|------------------|
| 14 m ² | ADJUSTABLE | INTENSIVE USE | ON THE DOOR |



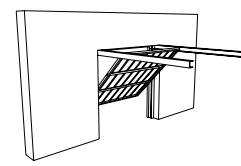
Operator with direct fixing on the garage door

- Encoder-based movement control.
- Integrated release lever, with the possibility of operating from the outside using the door handle.
- Obstacle detection function, maneuver speed adjustment and opening and closing slow-down speed.
- Display for programming and viewing features, with LED for the operator diagnostics.

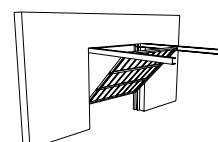
Dimensions (mm)



Protruding and partially retracting overhead garage door



Protruding and fully retracting overhead garage door



Non-protruding fully retracting overhead garage door

Operational limits

| MODELS | EM4024CB | EM4024 |
|--|----------|---------------------------------------|
| Max. surface of the door (m ²) | 9 | 14 (in combination with: 001EM4024CB) |

NOTES: For doors larger than 9 m² and up to 14 m², use: 1 EM4024CB gearmotor + 1 EM4024 gearmotor

Technical characteristics

| MODELS | EM4024CB | EM4024 |
|-----------------------------|--------------------|--------------------|
| Protection rating (IP) | 40 | 40 |
| Power supply (V - 50/60 Hz) | 230 AC | - |
| Power supply to motor (V) | 24 DC | 24 DC |
| Absorption (A) | 15 Max. | 15 Max. |
| Power (W) | 73 | 70 |
| Maneuvering time at 90° (s) | ADJUSTABLE | ADJUSTABLE |
| Duty/cycle (%) | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 |

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

001EM4024CB Irreversible operator with control board and segmented graphics display for doors measuring up to 9 m².



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

001EM4024 Irreversible gearmotor for pairing to the 001EM4024CB operator for extending the door's surface area up to 14 m².



Accessories for: 001EM4024CB

002LBEM40 Control card for operating during power outages and for recharging the batteries, with fastening brace.



Accessories for: 001EM4024

001EM4001 LED control card for the courtesy light.



Accessories

001E001 Anchoring base L = 2 m.

001E002 Fixing base L = 2.5 m.

001V121 Pull-cord release and resetting device to fit on door handle. L = 3 m.

001E781A Accessories for fitting the lateral reset.

001E782A Transmission square tube 25 x 25 mm L = 2 m.

001E783 Pair of folding drive arms.

001E784 Long lever for hinged transmission arm for doors taller than 2.4 m.

001E785A Pair of straight telescopic arms with rectangular tube 40 x 10 mm.

001E786A Pair of curved telescopic arms with 40 x 10 mm rectangular tube.

001E787A Long tube for telescopic arms for doors with heights exceeding 2.4 m.



NOTES:

002LBEM40 - Two 12 V – 1.3 Ah batteries (not supplied), on the 001EM4024CB - 001EM4024 there is a battery rack inside.



The tables shows lists all characteristics of the overhead and sectional door control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

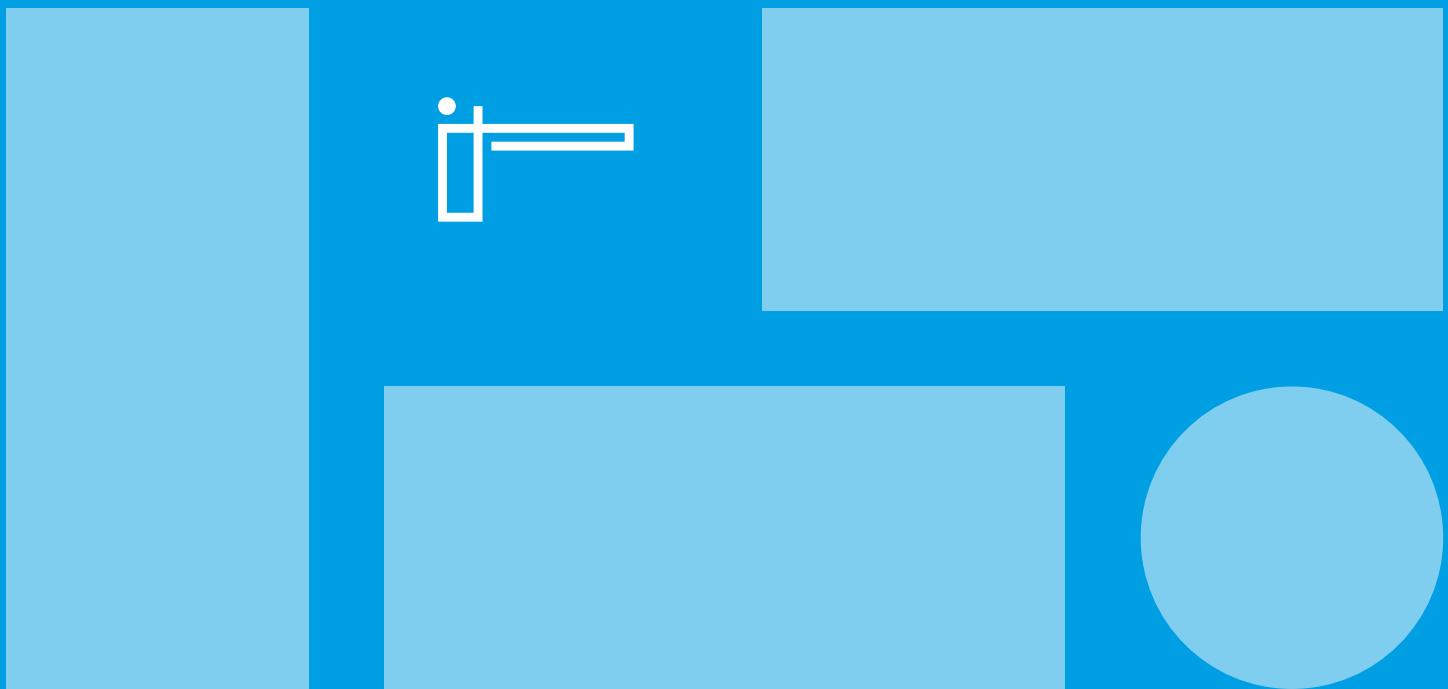
| Models / Series | VER PLUS | VER | EMEGA |
|---|-------------|----------|-------------|
| Control board / Control panel | ZL57 | - | ZL43 |
| Safety | | | |
| SELF-DIAGNOSING safety decives | ● | ● | ● |
| PRE-FLASHING when opening and closing | ● | ● | ● |
| REOPENING during closing | ● | ● | ● |
| CLOSING AGAIN during opening | ● | | |
| Obstruction WAIT | ● | | ● |
| TOTAL STOP | ● | ● | ● |
| PARTIAL STOP | ● | | |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | ● |
| ENCODER | ● | ● | ● |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device. | | ● | ● |
| AMPEROMETRIC DETECTION | ● | ● | ● |
| Command | | | |
| PARTIAL OPENING | ● | ● | ● |
| OPEN ONLY from transmitter and/or from button | ● | ● | ● |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | ● |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ● | ● | ● |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● |
| MAINTAINED ACTION | ● | | ● |
| IMMEDIATE CLOSING | | | ● |
| Characteristics | | | |
| FLASHING LIGHT connection | ● | ● | ● |
| CYCLE LIGHT connection | ● | ● | ● |
| COURTESY LIGHT connection | ● | ● | ● |
| Antenna | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | | ● |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● |
| OPERATING TIME adjusting | ● | | ● |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | ● |
| OPENING and/or CLOSING slow downs | ● | ● | ● |
| EMERGENCY BATTERY operation (optional) | ● | | ● |
| Adjustable TRAVEL and SLOW-DOWN speeds* | ● | | ● |
| DISPLAY | ● | ● | ● |
| SELF-LEARNING opening and closing limit-switches | ● | | ● |
| CAME Connect | ● | | |
| Designed to fit RIO System 2.0 | ● | | |
| CRP control | ● | | |
| ENERGY SAVINGS control (001RGP1) | ● | | |

● 24 V DC

Note

* The partial opening can be activated via button, selector and transmitter.

AUTOMATIC BARRIERS



| | |
|-----|-------------------------|
| 132 | SELECTION GUIDE |
| 140 | GARD LT4 |
| 144 | GAD LS4 |
| 150 | GARD GT4 |
| 156 | GARD PX |
| 160 | GARD 5000 |
| 162 | GARD |
| 168 | GARD GT8 |
| 174 | GARD 12 |
| 176 | UNIPARK |
| 178 | CAT |
| 180 | CONTROL BOARD FUNCTIONS |

Selection guide

Automatic barriers

The table summarizes the series and models with their corresponding operating limits according to maximum net clearance width.

| Series | Model | Max. net clearance width (m) |
|-----------|------------|------------------------------|
| GARD PX | 803BB-0120 | 3,8 |
| GARD LS4 | 803BB-0410 | 3,8 |
| GARD LS4 | 803BB-0430 | 3,8 |
| GARD LS4 | 803BB-0440 | 3,8 |
| GARD LT4 | 803BB-0370 | 4 |
| GARD LT4 | 803BB-0390 | 4 |
| GARD LT4 | 803BB-0400 | 4 |
| GARD GT4 | 803BB-0280 | 5 |
| GARD GT4 | 803BB-0240 | 5 |
| GARD GT4 | 803BB-0260 | 5 |
| GARD 5000 | G5000 | 5 |
| GARD | G6000 | 6,5 |
| GARD | G6001 | 6,5 |
| GARD | G6500 | 6,5 |
| GARD | G6501 | 6,5 |
| GARD GT8 | 803BB-0180 | 7.8 |
| GARD GT8 | 803BB-0290 | 7.8 |
| GARD GT8 | 803BB-0250 | 7.8 |
| GARD GT8 | 803BB-0270 | 7.8 |
| GARD 12 | G12000K | 12 |

● 24 - 36 V DC

Parking guard and chain barrier

The tables summarize the series and models with their respective operating limits according to the maximum width of the parking place or the maximum clearance width.

| Series | Model | Max clearance width of parking space (m) |
|---------|-------------|--|
| UNIPARK | UNIP + ARK1 | 2 |
| UNIPARK | UNIP + ARK2 | 2,45 |
| Series | Model | Max. net clearance width (m) |
| CAT | CAT-5 | 8 |
| CAT | CAT-15 | 16 |

● 230 V AC ● 24 V DC



SINGLE BARRIERS FOR SINGLE HOMES

CAME barriers can be used to control small apartment building parking facilities.



HEAVY-DUTY SINGLE OR DOUBLE BARRIERS

You can manage heavily trafficked parking facilities such as at company parking lots, auto dealerships or even private parking areas.



PARKING-FACILITY BARRIERS

The simple, practical solution for controlling transit flows in pay-to-park areas.



BARRIERS FOR VERY WIDE CLEARANCES

CAME barriers are used even for passages where special or oversized vehicles transit.



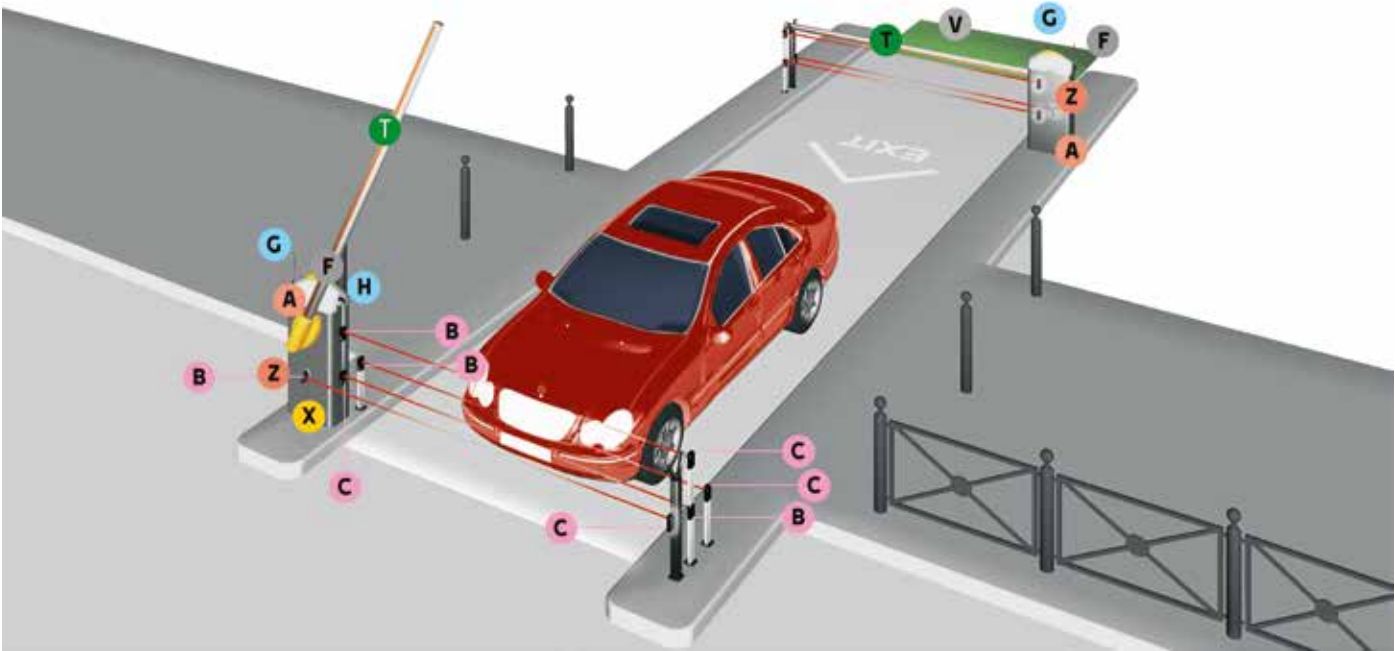
FOR SINGLE PARKING SPACES

Ideal for apartment-building parking facilities or for authorized staff parking.



FOR MULTIPLE PARKING SPACES

Ideal for small apartment-blocks or when a low-profile barrier is required.



COMPONENTS

- A

Barrier
- B

TX Photocells
- C

RX Photocells
- F

Flashing light
- G

Antenna
- H

Control switch
(Key – Code – Card or transponder fob)
- T

Boom with luminous cord
- X

Radio frequency card
- V

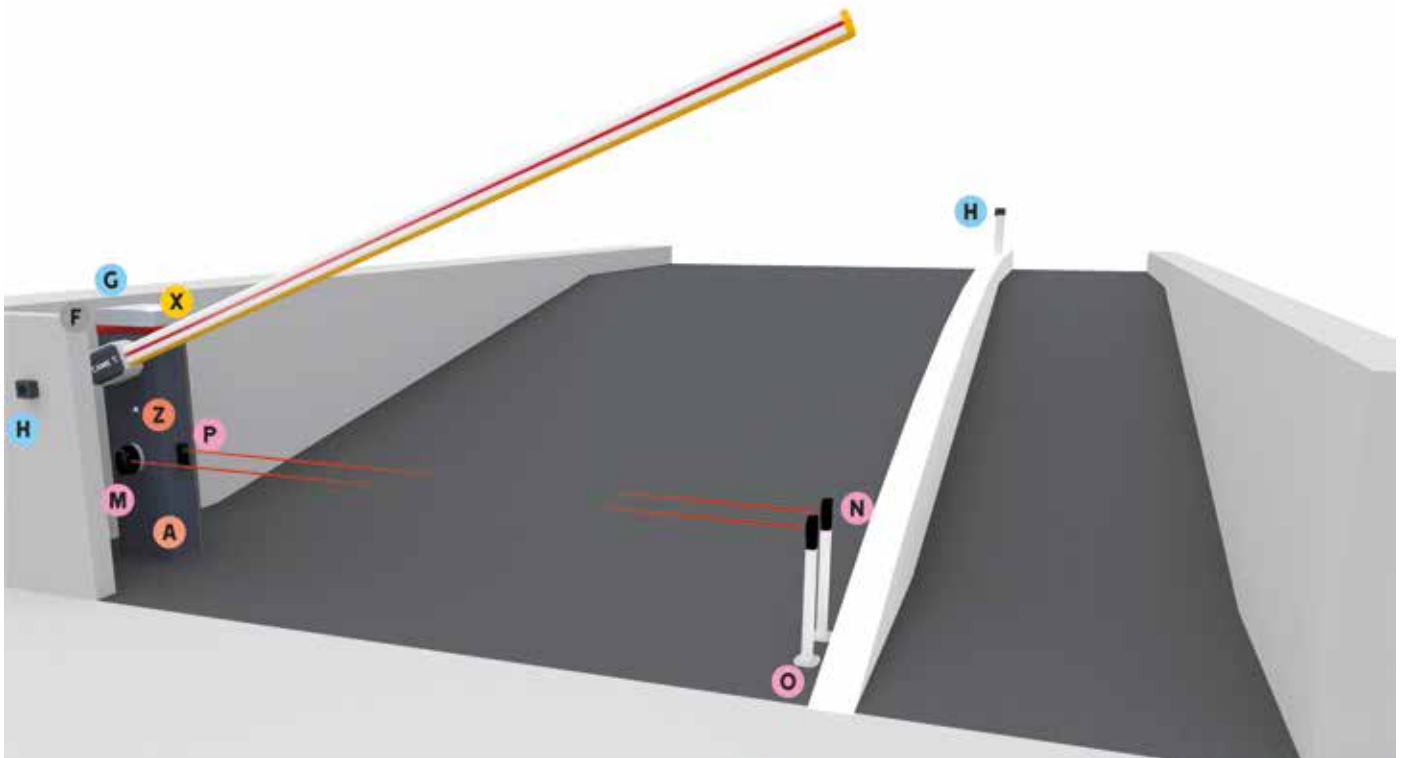
Metal mass detector sensor
- Z

Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-----------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



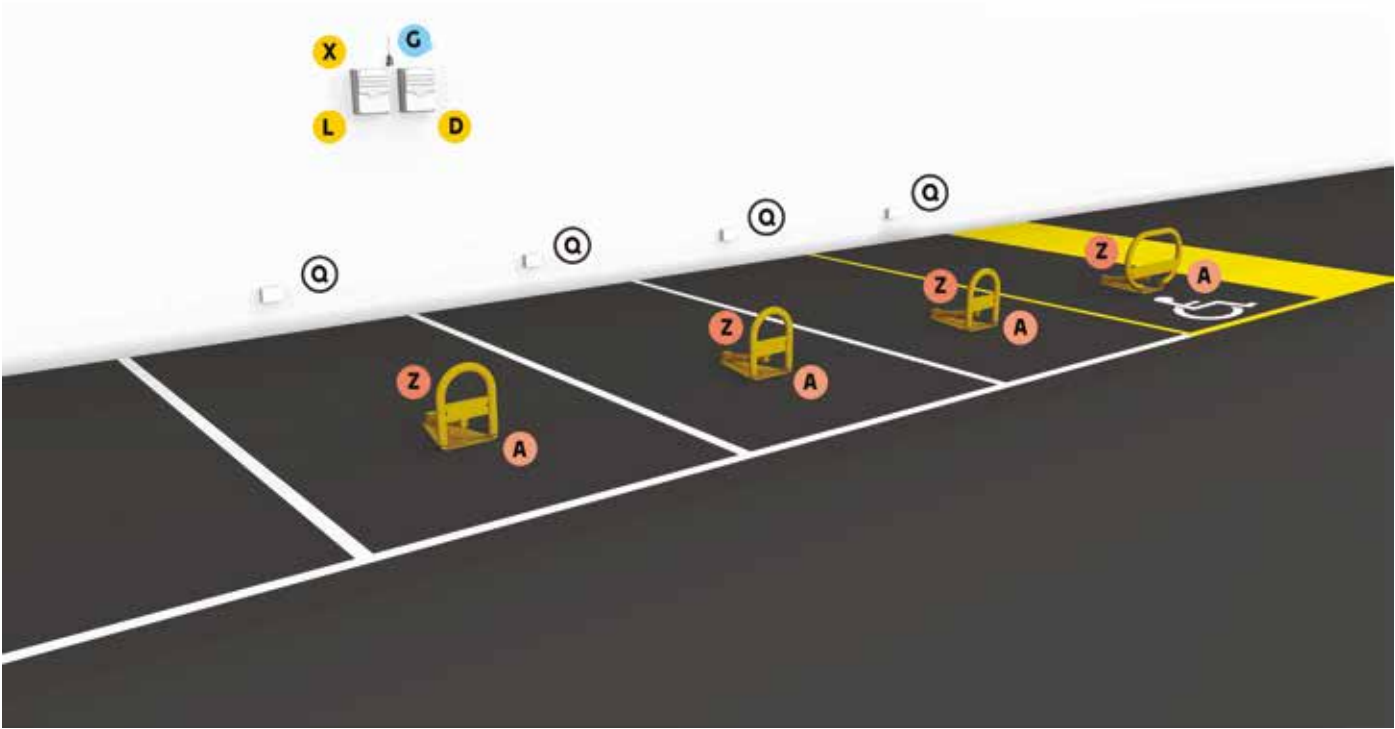
COMPONENTS

- | | |
|--|-------------------------------|
| A Barrier | M TX Photocells |
| F Flashing light | N TX Photocells |
| G Antenna | O RX Photocells |
| H Control switch | P RX Photocells |
| (Key – Code – Card or transponder fob) | X Radio frequency card |
| | Z Release device |

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | | RG58 max 10 m | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A

 Gearmotors
- D

 Control card for operating during power outages
- G

 Antenna
- L

 Control panel
- Q

 Junction box
- X

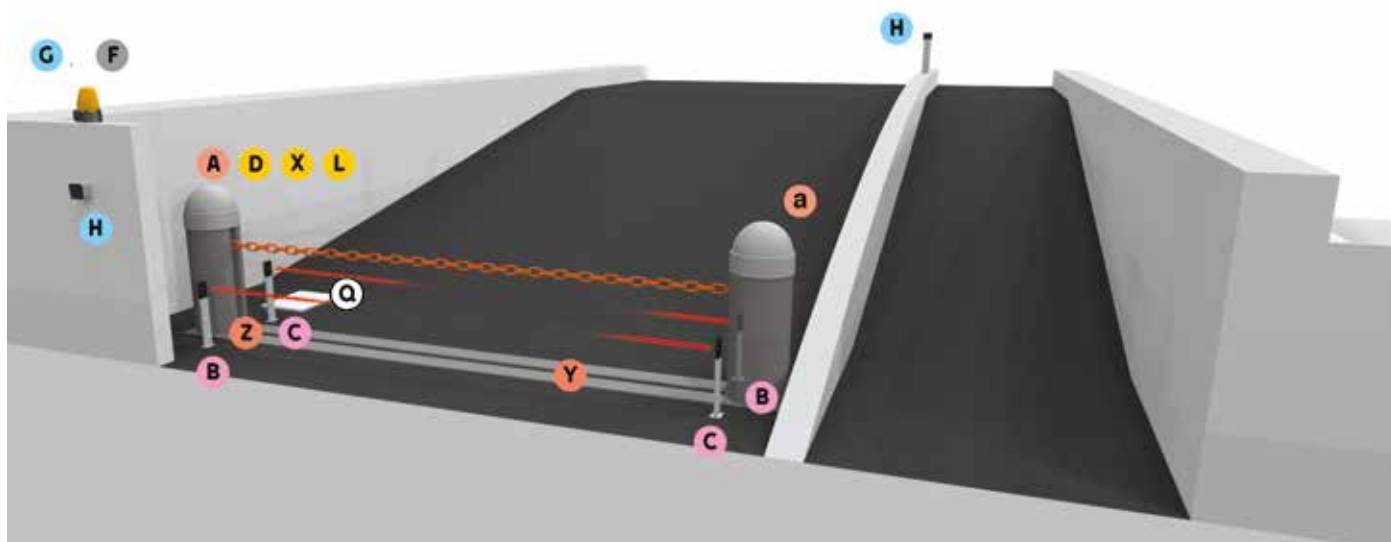
 Radio frequency card
- Z

 Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

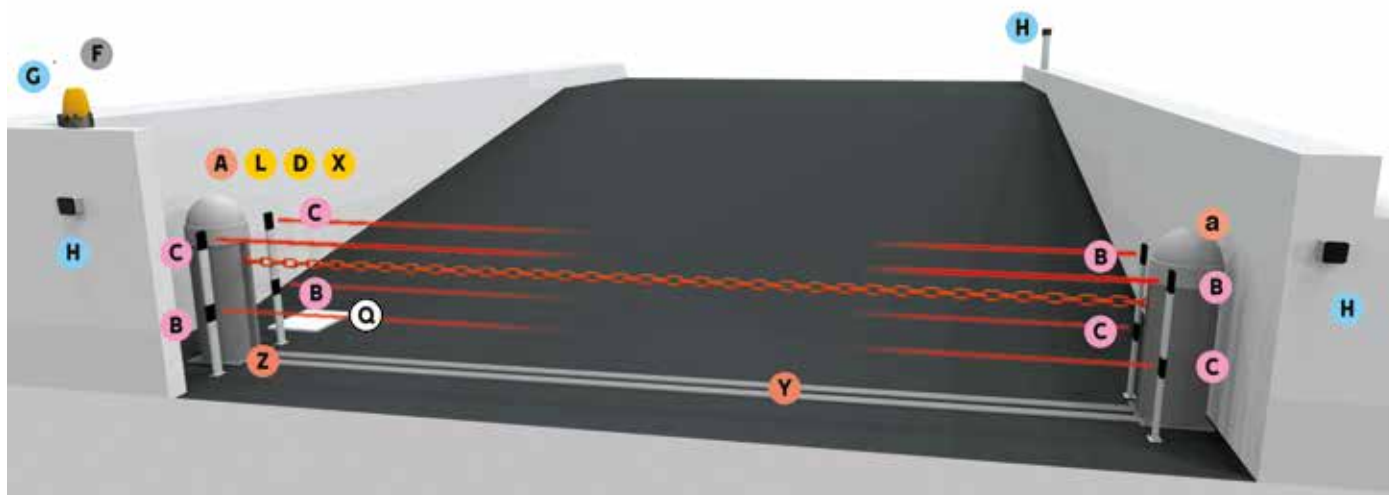
- | | |
|--|---|
| A Post with gearmotor | H Control switch (Key – Code – Card or transponder fob) |
| a Post with counter-weight and chain latch | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| D Control card for operating during power outages | Y Outer chain-protecting guide |
| F Flashing light | Z Release device |
| G Antenna | |

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

CHAIN BARRIER WITH TWO-LEVEL PHOTOCELLS



COMPONENTS

- | | |
|--|---|
| A Post with gearmotor | H Control switch (Key – Code – Card or transponder fob) |
| a Post with counter-weight and chain latch | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| D Control card for operating during power outages | Y Outer chain-protecting guide |
| F Flashing light | Z Release device |
| G Antenna | |

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



DXR

**ADJUSTABLE
INFRARED
PHOTOCELLS ALSO
AVAILABLE FOR CXN
BUS SYSTEMS**

FIND OUT MORE ON PAGE 218

CAME

CAME.COM



GARD LT4

Automatic barriers



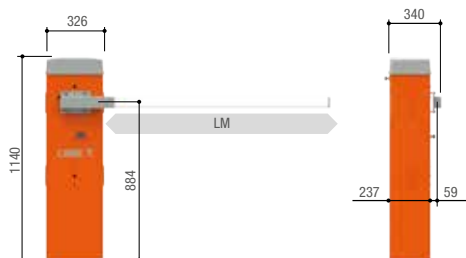
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|--------------------|-----------------|-----------------|
| UP TO 4 m | 1,5 MILLION CYCLES | 300 CYCLES/HOUR | FROM 2 TO 6 SEC |



Ideal solution for heavy-duty service on driveway

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 300 cycles/hour with MCBF 1,5 million cycles.
- Cabinet available in galvanized steel and painted RAL2004, AISI 304 steel, or in customized color.
- Control board with display designed to connect to the Cloud via CAME Connect.
- Accessories that can be integrated directly into the cabinet.
- High visibility white signaling LED on the boom.
- It can be integrated with third party systems through MODBUS protocol.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

| MODELS | 803BB-0370 | 803BB-0390 | 803BB-0400 |
|------------------------------|------------|------------|------------|
| Max. net clearance width (m) | 4 | 4 | 4 |

Technical characteristics

| MODELS | 803BB-0370 | 803BB-0390 | 803BB-0400 |
|-----------------------------|---|---|---|
| Protection rating (IP) | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 220-230 AC | 220-230 AC | 220-230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC |
| Power (W) | 190 | 190 | 190 |
| Opening time at 90° (s) | 2 ÷ 6 | 2 ÷ 6 | 2 ÷ 6 |
| Cycles/Hour | 300 | 300 | 300 |
| Operating temperature (°C) | -20 ÷ +55 (-40 with item 803XA-0630) | -20 ÷ +55 (-40 with item 803XA-0630) | -20 ÷ +55 (-40 with item 803XA-0630) |
| RAL color | 2004 | RAL X | - |

● 24 V DC

Code

Description

230 V AC barriers with encoder and 24 V DC operator and built-in control panel

803BB-0370



GLT40AOS - Automatic barrier with irreversible gearmotor 24 V DC with encoder; painted galvanised steel cabinet; accessories available. Balance spring included.

803BB-0390



GLT40ACS - Automatic barrier with irreversible gearmotor 24 V DC with encoder; custom-RAL painted galvanised steel cabinet; accessories available. Balance spring included.

803BB-0400



GLT40AX4 - Automatic barrier with irreversible gearmotor 24 V DC with encoder; satin-finish AISI 304 steel cabinet; accessories available. Balance spring included.

Accessories for barriers

001G0401

White painted aluminum boom with end cap.
Section 60 x 40 mm, boom length: 4.2 m.

001G0402

Tube section barrier made of white, painted aluminum.
Ø 60 mm, boom length: 4.2 m.

002RSE

Interface card for controlling two operators or for enabling the Came Remote Protocol.

001R700

Control board for decoding and access-control management via transponder selector.

001R800

Control board for decoding and access-control management via keypad selectors.

803XA-0300

Auxiliary contacts unit for detecting the boom position

001G02802

Support for fitting DIR-series photocells.

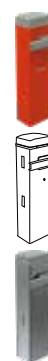
803XC-0020

Modbus TCP/RTU bridge for integration with third party systems.

803XA-0630



Cartridge heater with thermostat.



NOTES:

001G02802 It cannot be used with a boom equipped with a skirt or swing rest

THE COMPLETE RANGE

Code Description

Accessories for: 001G0401

001G0403 Red rubber shock-proof edge with end caps.

803XA-0580 White LED strip for 60X40 boom, length 4 m.



Accessories for: 001G0402

803XA-0590 Attachment for tubular boom 60 mm.



Accessories for: 001G0401 - 001G0402

803XA-0330 Swing rest.

001G02807 Fixed rest.

803XA-0340 Painted aluminum skirt. 1720 mm module complete with junction brackets.

803XA-0440 Swing rest - skirt support bracket.

001G0461 Package of 24 red, reflective, adhesive strips.

24 V DC accessories for barriers

803XA-0290 Control card kit for operating during power outages and for recharging batteries, with battery housing.



806XG-0030 Opening and safety detector with laser technology.



009SMA Single.-channel magnetic sensor for detecting metal masses.



009SMA2 Two-channel magnetic sensor for detecting metal masses.



Accessories for: 806XG-0030

818XG-0019 Remote control for opening and safety detector.

806XG-0050 Steel support for opening detector and barrier safety.

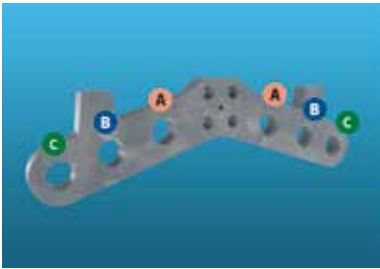
806XG-0040 24 V DC power supply for opening and safety detector.



ATTENTION

803XA-0340 - Standard skirt:
- Max. 2 modules for 4-meter boom.

When the passage width clearance is greater than 3 m, it is compulsory to use a boom rest to support it (fixed or movable).



FITTED FOR BALANCING SPRING

Point A, B and C are the springs' fastening points, depending on the clearance width.
The spring attachment points A, B and C refer to the table above.

GUIDE TO POSITIONING THE BALANCING SPRING

| Boom composition | LATERAL CLEARANCE WIDTH (m) | | | | | |
|---|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| | 2,00 < 2,25 | 2,25 < 2,75 | 2,75 < 3,25 | 3,25 < 3,50 | 3,50 < 3,75 | 3,75 < 4,00 |
| Boom | - | A | A | A | B | B |
| Boom with shock-absorbing profile and LED strip | A | A | B | B | C | C |
| Boom with single rack | A | B | C | C | - | - |
| Boom with mobile stand | B | B | B | C | C | - |
| Boom with anti-collision profile and swing rest | B | B | C | - | - | - |



SINGLE SPRING BALANCING

CAME's R&D department has developed a practical variable balancing system, which allows using a single spring that can be connected to the balancing lever at different predefined points. It is therefore no longer necessary to have specific springs for the different boom lengths, but it is sufficient to operate on the hooking system.



SIMPLE CONFIGURATION

The control board is positioned directly under the cabinet cover.
All the configuration and maintenance phases can therefore be carried out comfortably standing upright, with the cabinet closed, in complete safety.



FOLDING SKIRT

Suitable for both residential and industrial use, the folding skirt is the ideal solution to prevent access by pedestrians or unauthorized vehicles.

GARD LS4

Automatic barriers



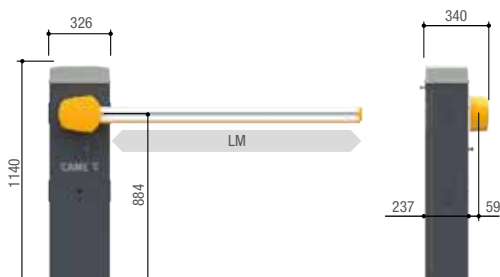
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|--------------------|-----------------|-----------------|
| UP TO 3.8 m | 1,5 MILLION CYCLES | 300 CYCLES/HOUR | FROM 2 TO 6 SEC |



Ideal solution for heavy-duty service on driveway

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 300 cycles/hour with MCBF 1,5 million cycles.
- Cabinet available in galvanized steel and painted RAL7024, AISI 304 steel, or in customized color.
- Control board with display designed to connect to the Cloud via CAME Connect.
- Accessories that can be integrated directly into the cabinet.
- Set up for high visibility red/green LEDs on both sides of the boom.
- It can be integrated with third party systems through MODBUS protocol.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

| MODELS | 803BB-0410 | 803BB-0430 | 803BB-0440 |
|------------------------------|------------|------------|------------|
| Max. net clearance width (m) | 3,8 | 3,8 | 3,8 |

Technical characteristics

| MODELS | 803BB-0410 | 803BB-0430 | 803BB-0440 |
|-----------------------------|---|---|---|
| Protection rating (IP) | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 220-230 AC | 220-230 AC | 220-230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC |
| Power (W) | 190 | 190 | 190 |
| Opening time at 90° (s) | 2 ÷ 6 | 2 ÷ 6 | 2 ÷ 6 |
| Cycles/Hour | 300 | 300 | 300 |
| Operating temperature (°C) | -20 ÷ +55 (-40 with item 803XA-0630) | -20 ÷ +55 (-40 with item 803XA-0630) | -20 ÷ +55 (-40 with item 803XA-0630) |
| RAL color | 7024 | RAL X | - |

● 24 V DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|--|--|
| 230 V AC barriers with encoder and 24 V DC operator and built-in control panel | |
|--|--|

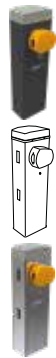
| | |
|-------------------|--|
| 803BB-0410 | GLS40AGS - Automatic barrier with irreversible gearmotor 24 V DC with encoder; painted galvanised steel cabinet; accessories available. Balance spring included. |
|-------------------|--|



| | |
|-------------------|---|
| 803BB-0430 | GLS40ACS - Automatic barrier with irreversible gearmotor 24 V DC with encoder; custom-RAL painted galvanised steel cabinet; accessories available. Balance spring included. |
|-------------------|---|



| | |
|-------------------|---|
| 803BB-0440 | GLS40AX4 - Automatic barrier with irreversible gearmotor 24 V DC with encoder; satin-finish AISI 304 steel cabinet; accessories available. Balance spring included. |
|-------------------|---|



THE COMPLETE RANGE

Code Description

| Accessories for barriers | | |
|--------------------------|---|--|
| 803XA-0050 | White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 4050 mm. | |
| 803XA-0051 | White painted aluminum boom, 90 x 35 mm, with groove cover strip and shock-proof rubber profile. Length: 3050 mm. | |
| 001 G0402 | Tube section barrier made of white, painted aluminum. Ø 60 mm, boom length: 4.2 m. | |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. | |
| 001 R700 | Control board for decoding and access-control management via transponder selector. | |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. | |
| 803XA-0300 | Auxiliary contacts unit for detecting the boom position | |
| 001 G02802 | Support for fitting DIR-series photocells. | |
| 803XC-0020 | Modbus TCP/RTU bridge for integration with third party systems. | |
| 803XA-0630 | Cartridge heater with thermostat. | |

NOTES:
001G02802 It cannot be used with a boom equipped with a skirt or swing rest

| Code | Description |
|------|-------------|
|------|-------------|

Accessories for: 803XA-0050 - 803XA-0051

| | |
|-------------------|--|
| 803XA-0560 | HD (Heavy Duty) joint for 90 x 35 mm boom. |
| 803XA-0570 | Detachable boom attachment 90 x 35 mm. After impact, the pivot coupling releases the rod and the end rests on the ground. |
| 803XA-0020 | Red/green LED strips for booms up to 4-m long. |
| 803XA-0150 | Red/green LED strip for booms up to 3 m long. |
| 803XA-0160 | Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long. |
| 803XA-0190 | LED strips connection kit for HD jointed booms (Heavy Duty). |
| 001 G02807 | Fixed rest. |
| 803XA-0330 | Swing rest. |
| 803XA-0440 | Swing rest - skirt support bracket. |
| 803XA-0340 | Painted aluminum skirt. 1720 mm module complete with junction brackets. |
| 001 G02809 | Package of 20 red, reflective, adhesive strips. |



ATTENTION

803XA-0340 - Standard skirt:
- Max. 2 modules for 4-meter boom.

NOTES:
When the passage width clearance is greater than 3 m, it is compulsory to use a boom rest to support it (fixed or movable).
803XA-0560 and 803XA-0570 cannot be installed together.

THE COMPLETE RANGE

Code Description

Accessories for: 001G0402

803XA-0590 Attachment for tubular boom 60 mm.



001**G0461** Package of 24 red, reflective, adhesive strips.



24 V DC accessories for barriers

803XA-0290 Control card kit for operating during power outages and for recharging batteries, with battery housing.



806XG-0030 Opening and safety detector with laser technology.



009**SMA** Single.-channel magnetic sensor for detecting metal masses.



009**SMA2** Two-channel magnetic sensor for detecting metal masses.



Accessories for: 806XG-0030

818XG-0019 Remote control for opening and safety detector.

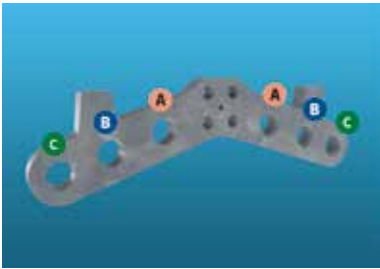


806XG-0050 Steel support for opening detector and barrier safety.



806XG-0040 24 V DC power supply for opening and safety detector.





FITTED FOR BALANCING SPRING

Point A, B and C are the springs' fastening points, depending on the clearance width.
The spring attachment points A, B and C refer to the table above.

| Boom composition | LATERAL CLEARANCE WIDTH (m) | | | | |
|--------------------------------------|-----------------------------|-------------|-------------|-------------|------------|
| | 2,00 < 2,25 | 2,25 < 2,75 | 2,75 < 3,25 | 3,25 < 3,50 | 3,50 < 3,8 |
| Boom with LED strip | A | A | B | B | C |
| Boom with LED strip and single skirt | B | B | C | - | - |
| Boom with LED strip and swing rest | B | B | C | C | - |
| Boom with single rack | B | B | C | - | - |
| Boom with mobile stand | B | B | C | C | C |



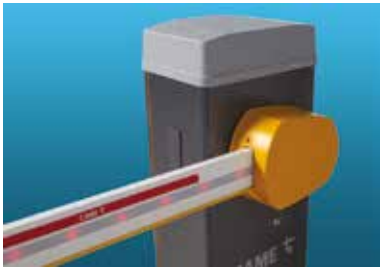
SINGLE SPRING BALANCING

CAME's R&D department has developed a practical variable balancing system, which allows using a single spring that can be connected to the balancing lever at different predefined points. It is therefore no longer necessary to have specific springs for the different boom lengths, but it is sufficient to operate on the hooking system.



SIMPLE CONFIGURATION

The control board is positioned directly under the cabinet cover.
All the configuration and maintenance phases can therefore be carried out comfortably standing upright, with the cabinet closed, in complete safety.



RG LED

The LED strip system can be installed on both sides of the boom and regulates access through the traffic light function.

GARD GT4

Automatic barriers



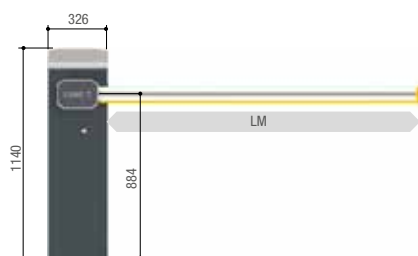
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|------------------|-----------------|-----------------|
| UP TO 5 m | 3 MILLION CYCLES | 350 CYCLES/HOUR | FROM 2 TO 6 SEC |



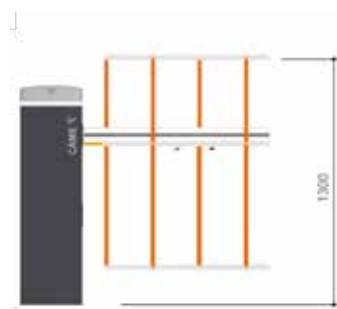
Ideal solution for heavy-duty service on driveway

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 350 cycles/hour with MCBF 3 million cycles.
- Cabinet available in galvanized steel and painted RAL7024, AISI 304 and AISI 316 steel, or in customized color.
- Control board with display, CONNECT technology and inputs for CXN BUS accessories.
- Accessories that can be integrated directly into the cabinet.
- High visibility red/green LEDs on the crown and on both sides of the boom.
- It can be integrated with third party systems through MODBUS protocol.

Dimensions (mm)



LM = Max. net clearance width



803XA-0350

Operational limits

| MODELS | 803BB-0160 | 803BB-0280 | 803BB-0240 | 803BB-0260 |
|------------------------------|------------|------------|------------|------------|
| Max. net clearance width (m) | 5 | 5 | 5 | 5 |

Technical characteristics

| MODELS | 803BB-0160 | 803BB-0280 | 803BB-0240 | 803BB-0260 |
|-----------------------------|--|--|--|--|
| Protection rating (IP) | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC | 24 DC |
| Power (W) | 240 | 240 | 240 | 240 |
| Opening time at 90° (s) | 2 ÷ 6 | 2 ÷ 6 | 2 ÷ 6 | 2 ÷ 6 |
| Cycles/Hour | 350 | 350 | 350 | 350 |
| Operating temperature (°C) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) |
| RAL color | 7024 | RAL X | - | - |

● 24 V DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|--|--|
| 230 V AC barriers with encoder and 24 V DC operator and built-in control panel | |
|--|--|

| | |
|-------------------|--|
| 803BB-0160 | GGT40AGS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel and painted cabinet with set up for fitting accessories. Balancing spring included. |
|-------------------|--|



| | |
|-------------------|--|
| 803BB-0280 | GGT40ACS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel cabinet with customized RAL painting and set up for fitting accessories. Balancing spring included. |
|-------------------|--|



| | |
|-------------------|---|
| 803BB-0240 | GGT40AX4 - Automatic barrier with irreversible 24 V DC operator with encoder; AISI 304 satin-finish steel cabinet with set up for fitting accessories. Balancing spring included. |
|-------------------|---|




| | |
|-------------------|---|
| 803BB-0260 | GGT40AX6 - Automatic barrier with 24 V DC irreversible operator with encoder; AISI 316 satin-finish steel cabinet with set up for fitting accessories. Balancing spring included. |
|-------------------|---|



THE COMPLETE RANGE

Code Description

| Accessories for barriers | |
|--|---|
| 803XA-0270 | White painted aluminum boom, 90 x 60 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 4220 mm. |
| 803XA-0640 | Modular aluminium rod, painted white, comprising: no. 2 rods 90 x 60 L = 2610 mm, joint, internal reinforcement, hollow cover profile and shock-proof rubber profile. |
| 002 RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |
| 803XA-0300 | Auxiliary contacts unit for detecting the boom position |
| 803XA-0280 | Luminous red/green LED crown. |
| 001 G02802 | Support for fitting DIR-series photocells. |
| 803XC-0020 | Modbus TCP/RTU bridge for integration with third party systems. |
| 001 PSRT01 | Heater kit with thermostat. |
| 806XG-0080  | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |



NOTES:
 001G02802 It cannot be used with a boom equipped with a skirt or swing rest
 803XA-0640 cannot be used with 803XA_0350, 803XA-0340 e 803XA-0330.

Code Description

| Accessories for: 803XA-0270 | |
|-----------------------------|---|
| 803XA-0320 | Detachable boom attachment. After impact, the pivot coupling releases the rod and the end rests on the ground. |
| 803XA-0310 | HD (Heavy Duty) joint for 90 x 60 mm boom. |
| 001 G02807 | Fixed rest. |
| 803XA-0360 | Magnetic lock for boom and fixed support. |
| 803XA-0330 | Swing rest. |
| 803XA-0340 | Painted aluminum skirt. 1720 mm module complete with junction brackets. |
| 803XA-0350 | Full height skirt in painted aluminum. 1720 mm module, H =1300 mm, complete with junction brackets. |
| 803XA-0440 | Swing rest - skirt support bracket. |
| 001 G02809 | Package of 20 red, reflective, adhesive strips. |
| 803XA-0020 | Red/green LED strips for booms up to 4-m long. |
| 803XA-0150 | Red/green LED strip for booms up to 3 m long. |
| 803XA-0230 | Red/green LED strip for booms up to 5 m long. |
| 803XA-0160 | Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long. |
| 803XA-0190 | LED strips connection kit for HD jointed booms (Heavy Duty). |
| 803XA-0450 | Steel support for road signs. |



ATTENTION

803XA-0340 - Standard skirt:
- Max. 2 modules for 4-meter boom.
803XA-0350 - Full height skirt:
- Max. 2 modules for 4-meter boom.

When the passage width clearance is greater than 3 m, it is compulsory to use a boom rest to support it (fixed or movable).
With boom over 3.5 meters, LED strip and single skirt it is mandatory to use the fixed support.
With boom over 3.25 meters, LED strip and full-height skirt it is mandatory to use the fixed support.
803XA-0310 and 803XA-0320 cannot be installed together.

THE COMPLETE RANGE

Code Description

24 V DC accessories for barriers

803XA-0290 Control card kit for operating during power outages and for recharging batteries, with battery housing.



806XG-0030 Opening and safety detector with laser technology.



009SMA Single.-channel magnetic sensor for detecting metal masses.



009SMA2 Two-channel magnetic sensor for detecting metal masses.



Accessories for: 806XG-0030

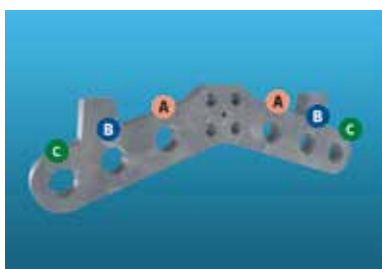
818XG-0019 Remote control for opening and safety detector.

806XG-0050 Steel support for opening detector and barrier safety.

806XG-0040 24 V DC power supply for opening and safety detector.

NOTES:
803XA-0290 - No. 2 12 V – 7 Ah batteries, not supplied.





FITTED FOR BALANCING SPRING

Point A, B and C are the springs' fastening points, depending on the clearance width.

The spring attachment points A, B and C refer to the table above.

| BOOM COMPOSITION | LATERAL CLEARANCE WIDTH (m) | | | | | |
|---|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| | 2,25 < 2,75 | 2,75 < 3,25 | 3,25 < 3,50 | 3,50 < 3,75 | 3,75 < 4,00 | 4,00 < 5,00 |
| Boom with LED strip | A | A | A | B | B | C |
| Boom with LED strip and single skirt | A | B | B | C | C | - |
| Boom with LED strip and full-height skirt | A | B | C | C | C* | - |
| Boom with LED strip and swing rest | - | - | B | B | C | - |
| Boom with LED strip, single skirt and swing rest | B | B | C | C* | - | - |
| Boom with LED strip, full-height skirt and swing rest | B | C | C* | - | - | - |

* The boom must be stabilized at 60° opening during the balancing procedure.



SINGLE SPRING BALANCING

CAME's R&D department has developed a practical variable balancing system, which allows using a single spring that can be connected to the balancing lever at different predefined points. It is therefore no longer necessary to have specific springs for the different boom lengths, but it is sufficient to operate on the hooking system.



SIMPLE CONFIGURATION

The control board is positioned directly under the cabinet cover. All the configuration and maintenance phases can therefore be carried out comfortably standing upright, with the cabinet closed, in complete safety.



FULL-HEIGHT FOLDING SKIRT

Suitable for both residential and industrial use, the folding skirt is the ideal solution to prevent access by pedestrians or unauthorized vehicles. GARD GT4 can be equipped not only with a lower skirt, but also with a special full-height solution that can be fully folded to close the gate to a height of 130 cm. This accessory is made of aluminum with white/red painted strips.

GARD PX

Automatic barriers



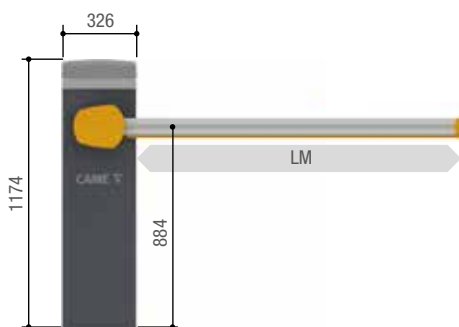
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|-------------------|----------------------|-----------------|
| UP TO 3.8 m | 10 MILLION CYCLES | CONTINUOUS OPERATION | FROM 1 TO 2 SEC |



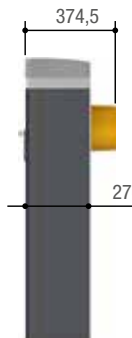
Specific solution for parking facilities and intensive duty cycles

- Brushless motor for high performance and silent operation.
- Continuous use tested for 10 million cycles (MCBF - mean cycle between failures).
- Modern design with galvanized steel cabinet with rough finish.
- Extended range power supply 120 - 230 V AC for energy saving in stand-by mode.
- Boom casing for protection against shearing in opening and closing.
- Available with high visibility red/green LEDs on the crown and on both sides of the boom.
- Available accessory for boom safety release in case of impact for high traffic applications.
- Control board with display.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



LM = Max. net clearance width



803XA-0180

Operational limits

| MODELS | 803BB-0120 |
|------------------------------|------------|
| Max. net clearance width (m) | 3,8 |

Technical characteristics

| MODELS | 803BB-0120 |
|-----------------------------|--------------------------------------|
| Protection rating (IP) | 54 |
| Power supply (V - 50/60 Hz) | 100 AC ÷ 240 AC |
| Power supply to motor (V) | 36 DC |
| Power (W) | 270 |
| Opening time at 90° (s) | 1 ÷ 2 |
| Duty/cycle (%) | CONTINUOUS SERVICE |
| Operating temperature (°C) | -20 ÷ +55 (-40 with item 803XA-0260) |
| RAL color | 7043 |

● 36 V DC

| Code | Description |
|------|-------------|
|------|-------------|

Barriers with Brushless motor and built-in control panel

803BB-0120



GPX40MGS - Automatic barrier with irreversible brushless operator; painted galvanized steel cabinet.



Accessories for: 803BB-0120

803XA-0050

White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 4050 mm.



803XA-0051

White painted aluminum boom, 90 x 35 mm, with groove cover strip and shock-proof rubber profile. Length: 3050 mm.



002RSE

Interface card for controlling two operators or for enabling the Came Remote Protocol.



001R700

Control board for decoding and access-control management via transponder selector.



001R800

Control board for decoding and access-control management via keypad selectors.



803XA-0140

Luminous red/green LED crown.



803XA-0200

Auxiliary contacts assembly.



803XA-0260

Heating system for GARD PX.



803XC-0020

Modbus TCP/RTU bridge for integration with third party systems.



Balancing springs

001G02040

Balancing spring Ø 40 mm.

001G04060

Balancing spring Ø 50 mm.

001G06080

Balancing spring Ø 55 mm.



THE COMPLETE RANGE

Code Description

Accessories for: 803XA-0050 - 803XA-0051

| | |
|-------------------|--|
| 803XA-0020 | Red/green LED strips for booms up to 4-m long. |
| 803XA-0150 | Red/green LED strip for booms up to 3 m long. |
| 803XA-0160 | Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long. |
| 803XA-0190 | LED strips connection kit for HD jointed booms (Heavy Duty). |
| 803XA-0180 | HD (Heavy Duty) joint for 90 x 35 mm boom. |
| 803XA-0620 | Detachable boom attachment 90 x 35 mm. After impact, the pivot coupling releases the rod and the end rests on the ground. |
| 001 G02807 | Fixed rest. |
| 001 G02809 | Package of 20 red, reflective, adhesive strips. |



24 V accessories for: 803BB-0120

| | |
|-------------------|---|
| 806SA-0100 | Control card kit for operating during power outages and for recharging batteries, with battery housing. |
| 009 SMA | Single.-channel magnetic sensor for detecting metal masses. |
| 009 SMA2 | Two-channel magnetic sensor for detecting metal masses. |





FITTED FOR BALANCING SPRINGS

Point A and B are the springs' fastening points, depending on the clearance width.

The spring attachment points A and B refer to the table above.

IMPORTANT:

In case of installation of the 803XA-0180 joint, consult the technical manual for selecting the spring.

SPRING SELECTION GUIDE FOR 803XA-0050 – 803XA-0051 BOOM

| MODELS | ● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm | | | |
|---|--|-------------|-------------|-------------|
| | LATERAL CLEARANCE WIDTH (m) | | | |
| BOOM COMPOSITION | 1,5 ÷ 1,75 | 1,75 ÷ 2,25 | 2,25 ÷ 2,75 | 2,75 ÷ 3,75 |
| SPRING FASTENING HOLE | A | B | A | B |
| Boom with shock-resistant fender | ● | ● | ● | ● |
| Boom with shock-proof profile and LED strip | ● | ● | ● | ● |

ATTENTION

* For maximum clearances greater than 3 m, you must use the G02807 fixed rest.



LUMINOUS BOOM, MAXIMUM SAFETY

The new GARD PX Brushless barriers let you install, as an accessory, the special luminous crown that uses red and green light to signal the boom's position.

GARD 5000

Automatic barriers

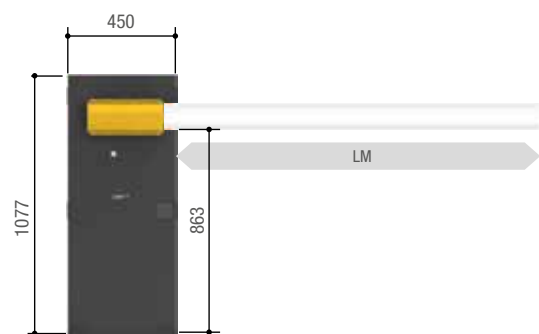


| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|--------------------|---------------|-----------------|
| UP TO 5 m | 1.2 MILLION CYCLES | INTENSIVE USE | FROM 4 TO 8 SEC |

Specific solution for access points with heavy traffic

- 24 V DC gearmotor with encoder is the ideal solution to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Flashing light and photocells that can be installed directly on the cabinet.
- Control board with display.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



LM = Max. net clearance width



Operational limits

| MODELS | G5000 |
|------------------------------|-------|
| Max. net clearance width (m) | 5 |

Technical characteristics

| MODELS | G5000 |
|-----------------------------|--------------------|
| Protection rating (IP) | 54 |
| Power supply (V - 50/60 Hz) | 230 AC |
| Power supply to motor (V) | 24 DC |
| Power (W) | 300 |
| Opening time at 90° (s) | 4 ÷ 8 |
| Duty/cycle (%) | HEAVY-DUTY SERVICE |
| Operating temperature (°C) | -20 ÷ +55 |
| RAL color | 7043 |

● 24 V DC

Code Description

Barriers with 24 V DC gearmotor and built-in control panel

001G5000 Barrier with encoder made of galvanized painted steel ready to fit accessories. The barrier includes balancing springs (two item 001G04060).



Accessories for: 001G5000

001G0502 White painted aluminum tube-section boom. Ø 100 mm, boom length: 5.35 m.



001G05350 White painted aluminum tube-section boom with rubber groove-covering profile. Ø 100 mm, boom length: 5.35 m.



002RSE Interface card for controlling two operators or for enabling the Came Remote Protocol.



001R800 Control board for decoding and access-control management via keypad selectors.



001R700 Control board for decoding and access-control management via transponder selector.



001PSRT01 Heater kit with thermostat.



001G0468 Brace for fitting DLX photocells onto the cabinet.



001G04601 Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).



Accessories for: 001G05350

803XC-0010 Interface for STRIP LED.



803XA-0230 Red/green LED strip for booms up to 5 m long.



Accessories for: 001G0502 - 001G05350

001G0465 Painted aluminum skirt (modules L = 2 m).



803XA-0330 Swing rest.



001G02807 Fixed rest.



001G02809 Package of 20 red, reflective, adhesive strips.



24 V accessories for: 001G5000

002LB39 Circuit board for emergency operation and battery charging.



009SMA Single.-channel magnetic sensor for detecting metal masses.



009SMA2 Two-channel magnetic sensor for detecting metal masses.



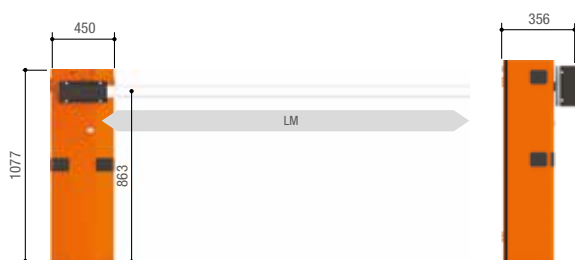
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|------------------|---------------|-----------------|
| UP TO 6.5 m | 1 MILLION CYCLES | INTENSIVE USE | FROM 4 TO 8 SEC |



Ideal solution for use in apartment buildings and industrial plants

- 24 V DC gearmotor ideal to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with RAL 2004 rough finish.
- Also available made of AISI 304 steel (item G6501).

Dimensions (mm)



001G6500
001G6501
001G6000

LM = Max. net clearance width

Operational limits

| MODELS | G6500 | G6501 | G6000 | G6001 |
|------------------------------|-------|-------|-------|-------|
| Max. net clearance width (m) | 6,5 | 6,5 | 6,5 | 6,5 |

Technical characteristics

| MODELS | G6500 | G6501 | G6000 | G6001 |
|------------------------------|--------------------|--------------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC | 24 DC |
| Absorption (A) | 15 Max. | 15 Max. | 15 Max. | 15 Max. |
| Power (W) | 300 | 300 | 300 | 300 |
| Opening time at 90° (s) | 4 ÷ 8 | 4 ÷ 8 | 4 ÷ 8 | 4 ÷ 8 |
| Duty/cycle (%) | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Torque (Nm) | 600 | 600 | 600 | 600 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | - | - | - | - |
| RAL color | 2004 | - | 2004 | - |

● 230 V AC ● 24 V DC

Code Description

Barriers with 24 V DC gearmotor and built-in control panel

001**G6500** Galvanized, painted steel and set up for fitting accessories.



001**G6501** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G6500 - 001G6501

001**G0602** White, painted aluminum, tube-section boom. Ø 100 mm, boom length: 6.85 m.

001**G06850** White, painted aluminum, tube-section boom, with rubber groove covering profile and internal reinforcement. Ø 100 mm, boom length: 6.85 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

001**G04601** Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).

001**PSRT01** Heater kit with thermostat.

Balancing springs

001**G02040** Balancing spring Ø 40 mm.

001**G04060** Balancing spring Ø 50 mm.

001**G06080** Balancing spring Ø 55 mm.

Accessories for: 001G0602 - 001G06850

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G02807** Fixed rest.

803XA-0330 Swing rest.



THE COMPLETE RANGE

Code Description

Accessories for: 001G06850

803XC-0010 Interface for STRIP LED.

803XA-0240 Red/green LED strip for booms up to 6.5 m long.

001**G02809** Package of 20 red, reflective, adhesive strips.



24 V accessories for: 001G6500 - 001G6501

002**LB39** Circuit board for emergency operation and battery charging.



009**SMA** Single.-channel magnetic sensor for detecting metal masses.



009**SMA2** Two-channel magnetic sensor for detecting metal masses.



NOTES:
002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.

Code Description

Barriers with 24 V DC gearmotor and built-in control panel

001**G6000** Galvanized, painted steel and set up for fitting accessories.



001**G6001** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G6000 - 001G6001

001**G0601** White painted aluminum boom with end cap.
Section 40 x 100 mm, boom length: 6.85 m.

001**G0602** White, painted aluminum, tube-section boom.
Ø 100 mm, boom length: 6.85 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

001**G04601** Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).

Accessories for: 001G0601 - 001G0602

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G0461** Package of 24 red, reflective, adhesive strips.

Accessories for: 001G0601

001**G0603** Red rubber shock-proof edge with end caps.

001**G0460** Pack of six 24 V light bulbs.

Accessories for: 001G0602

001**G0605** Fastening flange.

24 V accessories for: 001G6000 - 001G6001

002**LB39** Circuit board for emergency operation and battery charging.



009**SMA** Single.-channel magnetic sensor for detecting metal masses.



009**SMA2** Two-channel magnetic sensor for detecting metal masses.



NOTES:
002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.



001G6500 - 001G6501

Spring Selection Guide for 001G06850 boom

| MODELS | ● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm | | | | | | | | |
|--|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | LATERAL CLEARANCE WIDTH (m) | | | | | | | | |
| BOOM COMPOSITION | 2 ÷ 2,5 | 2,5 ÷ 3 | 3 ÷ 3,5 | 3,5 ÷ 4 | 4 ÷ 4,5 | 4,5 ÷ 5 | 5 ÷ 5,5 | 5,5 ÷ 6 | 6 ÷ 6,5 |
| Boom | ● | ● | ● | ●● | ● | ●● | ●● | ●● | ●● |
| Boom with swing-leg 803XA-0330 | ● | ● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| Boom with 001G028401 luminous cord | ● | ● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| Boom with 803XA-0330 swing rest and 001G028401 luminous cord | ● | ●● | ●● | ● | ●● | ●● | ●● | ●● | ●● |
| Boom with 001G0465 skirt | ● | ● | ●● | ● | ●● | ●● | ●● | ●● | ●● |
| Boom with 001G0465 skirt and 001G028401 luminous cord | ● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

ATTENTION

001G0468 Cannot be used on barriers with the 001G0465 skirt or 803XA-0330 swing rest.

GARD GT8

Automatic barriers



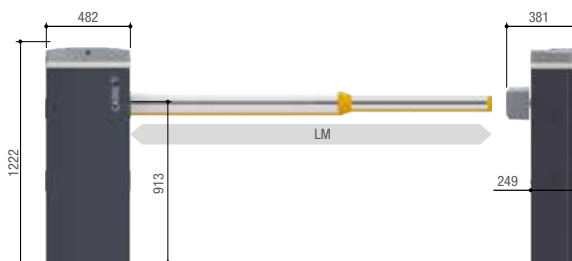
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|------------------|-----------------|-----------------|
| UP TO 7.8 m | 3 MILLION CYCLES | 160 CYCLES/HOUR | FROM 4 TO 8 SEC |



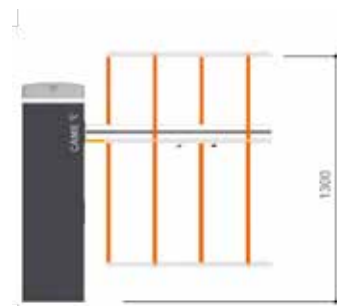
Ideal solution for applying in private homes and industrial plants

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 160 cycles/hour with MCBF 3 million cycles.
- Cabinet available in galvanized steel and painted RAL7024, AISI 304 and AISI 316 steel, or in customized color.
- Control board with display, CONNECT technology and inputs for CXN BUS accessories.
- Accessories that can be integrated directly into the cabinet.
- High visibility red/green LEDs on the crown and on both sides of the boom.
- It can be integrated with third party systems through MODBUS protocol.

Dimensions (mm)



LM = Max. net clearance width



803XA-0350

Operational limits

| MODELS | 803BB-0180 | 803BB-0290 | 803BB-0250 | 803BB-0270 |
|------------------------------|------------|------------|------------|------------|
| Max. net clearance width (m) | 7,8 | 7,8 | 7,8 | 7,8 |

Technical characteristics

| MODELS | 803BB-0180 | 803BB-0290 | 803BB-0250 | 803BB-0270 |
|-----------------------------|--|--|--|--|
| Protection rating (IP) | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 24 DC | 24 DC | 24 DC | 24 DC |
| Power (W) | 300 | 300 | 300 | 300 |
| Opening time at 90° (s) | 4 ÷ 8 | 4 ÷ 8 | 4 ÷ 8 | 4 ÷ 8 |
| Cycles/Hour | 160 | 160 | 160 | 160 |
| Operating temperature (°C) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) | -20 ÷ +55 (-40 with item 001PSRT01) |
| RAL color | 7024 | RAL X | - | - |

● 24 V DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|--|--|
| 230 V AC barriers with encoder and 24 V DC operator and built-in control panel | |
|--|--|

| | |
|-------------------|---|
| 803BB-0180 | GGT80AGS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel and painted cabinet with set up for fitting accessories. Balancing springs included. |
|-------------------|---|



| | |
|-------------------|---|
| 803BB-0290 | GGT80ACS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel cabinet with customized RAL painting and set up for fitting accessories. Balancing springs included. |
|-------------------|---|



| | |
|-------------------|--|
| 803BB-0250 | GGT80AX4 - Automatic barrier with irreversible 24 V DC operator with encoder; AISI 304 satin-finish steel cabinet with set up for fitting accessories. Balancing springs included. |
|-------------------|--|



| | |
|-------------------|--|
| 803BB-0270 | GGT80AX6 - Automatic barrier with irreversible 24 V DC operator with encoder; AISI 316 satin-finish steel cabinet with set up for fitting accessories. Balancing springs included. |
|-------------------|--|



THE COMPLETE RANGE

Code Description

Accessories for barriers

| | |
|-------------------|--|
| 803XA-0400 | White painted aluminum boom, 130 x 85 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 4340 mm. |
| 803XA-0410 | White painted aluminum boom, 130 x 85 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 6350 mm. |
| 803XA-0420 | White painted aluminum modular boom, complete with cap, composed by: no. 1 boom 90 x 60 L = 4220 mm, no. 1 boom 130 x 85 L = 4340 mm, hollow cover profiles and shockproof rubber profile. |
| 002RSE | Interface card for controlling two operators or for enabling the Came Remote Protocol. |
| 001R700 | Control board for decoding and access-control management via transponder selector. |
| 001R800 | Control board for decoding and access-control management via keypad selectors. |
| 803XA-0380 | Auxiliary contacts unit for detecting the boom position |
| 803XA-0430 | Luminous red/green LED crown. |
| 803XA-0240 | Red/green LED strip for booms up to 6.5 m long. |
| 803XA-0250 | Red/green LED strip for booms up to 8 m long. |
| 001G02802 | Support for fitting DIR-series photocells. |
| 803XC-0020 | Modbus TCP/RTU bridge for integration with third party systems. |
| 001PSRT01 | Heater kit with thermostat. |
| 806XG-0080 | BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output. |



NOTES:
001G02802 It cannot be used with a boom equipped with a skirt or swing rest

Code Description

Accessories for: 803XA-0400 - 803XA-410

803XA-0350 Full height skirt in painted aluminum. 1720 mm module, H =1300 mm, complete with junction brackets.



Accessories for: 803XA-0400 - 803XA-0410 - 803XA-0420

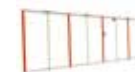
001**G02807** Fixed rest.



803XA-0360 Magnetic lock for boom and fixed support.

803XA-0330 Swing rest.

803XA-0340 Painted aluminum skirt. 1720 mm module complete with junction brackets.



803XA-0390 Detachable attachment for 130 x 85 mm boom.
After impact, the pivot coupling releases the rod and the end rests on the ground.



001**G02809** Package of 20 red, reflective, adhesive strips.



803XA-0440 Swing rest - skirt support bracket.



803XA-0450 Steel support for road signs.



NOTES:

The fixed rest for boom 001G02807 must OBLIGATORILY be used for clearance widths greater than 7 m.

The swing rest 803XA-0330 is for a clearance width up to 7 m.

ATTENTION

803XA-0340 - Standard rack: Max. 2 modules for 4 metres of boom; Max. 3 modules for 6 metres of boom; 4 modules up to max. 7 metres of boom.

803XA-0350 - Full Height Rack: Max. 2 modules per 4 metres of boom; Max. 3 modules per 6 metres of boom; Not compatible with modular boom 803XA-0420.

When the passage width clearance is greater than 4 m, it is compulsory to use a boom rest to support it (fixed or movable).

803XA-0390: Not compatible with skirts 803XA-0350 - 803XA-0340. Maximum boom length: 6 m.

THE COMPLETE RANGE

Code Description

24 V DC accessories for barriers

803XA-0370 Control card kit for operating during power outages and for recharging batteries, with battery housing.

24
-

806XG-0030 Opening and safety detector with laser technology.

24
-

009SMA Single.-channel magnetic sensor for detecting metal masses.

24
-

009SMA2 Two-channel magnetic sensor for detecting metal masses.

24
-

Accessories for: 806XG-0030

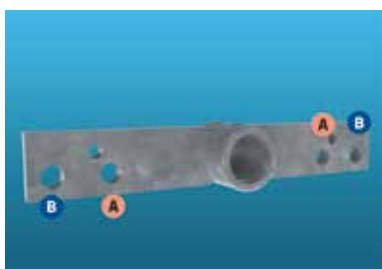
818XG-0019 Remote control for opening and safety detector.

806XG-0050 Steel support for opening detector and barrier safety.

806XG-0040 24 V DC power supply for opening and safety detector.



NOTES:
803XA-0370 - No. 2 12 V - 7 Ah batteries not supplied.

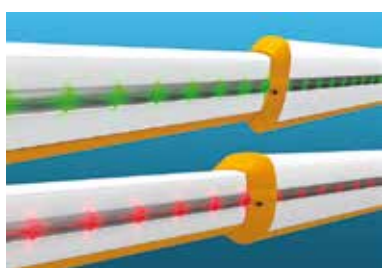


FITTED FOR BALANCING SPRINGS

Point A and B are the springs' fastening points, depending on the clearance width.

The spring attachment points A and B refer to the table above.

| BOOM COMPOSITION | LATERAL CLEARANCE WIDTH (m) | | | | | | |
|---|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 4,00 < 4,50 | 4,50 < 5,00 | 5,00 < 5,50 | 5,50 < 6,00 | 6,00 < 6,50 | 6,50 < 7,00 | 7,00 < 7,80 |
| Boom with LED strip | A | A | B | A A | A A | A A | B B |
| Boom with LED strip and single skirt | B | A A | A A | B B | B B | B B | - |
| Boom with LED strip and full-height skirt | A A | A A | B B | B B | - | - | - |
| Boom with LED strip and swing rest | A | B | A A | A A | A A | A A | - |
| Boom with LED strip, single skirt and swing rest | A A | A A | A A | B B | - | - | - |
| Boom with LED strip, full-height skirt and swing rest | A A | B B | B B | - | - | - | - |



LUMINOUS BOOM, MAXIMUM SAFETY

The new GARD GT8 barriers incorporate as an accessory, the luminous warning device with green or red light, depending on the position of the boom.



SIMPLE CONFIGURATION

The control board is positioned directly under the cabinet cover.

All the configuration and maintenance phases can therefore be carried out comfortably standing upright, with the cabinet closed, in complete safety.



FULL-HEIGHT FOLDING SKIRT

Suitable for both residential and industrial use, the folding skirt is the ideal solution to prevent access by pedestrians or unauthorized vehicles. GARD GT8 can be equipped not only with a lower skirt, but also with a special full-height solution that can be fully folded to close the gate to a height of 130 cm. This accessory is made of aluminum with white/red painted strips.

GARD 12

Automatic barriers



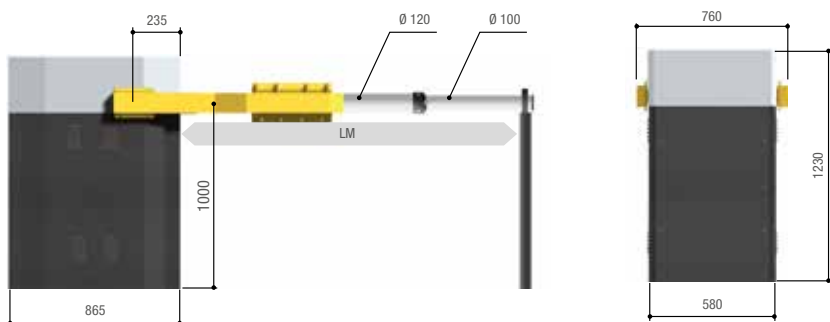
| PASSAGE WIDTH CLEARANCE | MCBF | USE | SPEED |
|-------------------------|----------------|------|-------|
| UP TO 12 m | 600,000 CYCLES | 50 % | 10 S |



Specific solution for special applications

- Two 24 V DC gearmotors installed on the same axis to offer greater drive torque.
- Balancing with modular counterweights, it guarantees a safe and reliable movement of the boom.
- Sturdy structure with galvanized steel cabinet with rough finish.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

| MODELS | G12000K |
|------------------------------|---------|
| Max. net clearance width (m) | 12 |

Technical characteristics

| MODELS | G12000K |
|-----------------------------|-----------|
| Protection rating (IP) | 54 |
| Power supply (V - 50/60 Hz) | 230 AC |
| Power supply to motor (V) | 24 DC |
| Absorption (A) | 15 Max. |
| Power (W) | 300 |
| Opening time at 90° (s) | 10 |
| Duty/cycle (%) | 50 |
| Torque (Nm) | 600 |
| Operating temperature (°C) | -20 ÷ +55 |
| RAL color | 7043 |

● 24 V DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|--|--|
| Barriers with 24 V DC gearmotor and built-in control panel | |
|--|--|

| | |
|--------------------|--|
| 001 G12000K | Barrier made of painted, galvanized steel. |
|--------------------|--|



| | |
|-----------------------------|--|
| Accessories for: 001G12000K | |
|-----------------------------|--|

| | |
|------------------|--|
| 001 G0121 | White painted aluminum tube boom, with end cap, made up of: L one fixed rest, one tube boom L = 6,200 mm Ø 120 mm, one tube boom L = 6,000 mm Ø 100 mm, one boom extender accessory. |
|------------------|--|

| | |
|------------------|--------------------------------|
| 001 G1325 | Package of 20 counter-weights. |
|------------------|--------------------------------|



| | |
|---------------------------|--|
| Accessories for: 001G0121 | |
|---------------------------|--|

| | |
|------------------|---|
| 001 G0461 | Package of 24 red, reflective, adhesive strips. |
|------------------|---|



| | |
|----------------------------------|--|
| 24 V accessories for: 001G12000K | |
|----------------------------------|--|

| | |
|-----------------|---|
| 002 LB38 | Circuit board for emergency operation and battery charging. |
|-----------------|---|



| | |
|----------------|---|
| 009 SMA | Single.-channel magnetic sensor for detecting metal masses. |
|----------------|---|



| | |
|-----------------|---|
| 009 SMA2 | Two-channel magnetic sensor for detecting metal masses. |
|-----------------|---|



NOTES:

002LB38 - Three 12 V - 7 Ah batteries (not supplied), set up a suitable external battery housing that can fit in the barrier cabinet on: 001G12000K

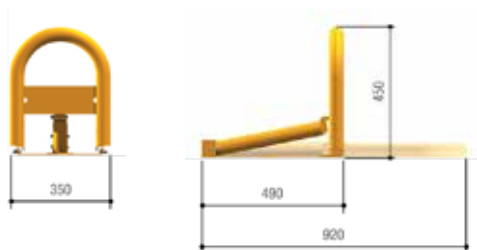
| PARKING SPACE MAXIMUM WIDTH | SPACES EXTENSION | USE |
|-----------------------------|------------------|-----------|
| UP TO 2.45 m | MAX 4 | INTENSIVE |

Parking saver for residential settings and public spaces

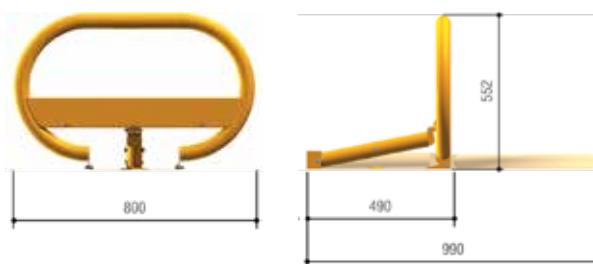


- Solution controllable via radio, to reserve the parking space.
- Simple and functional fixing base.
- It works in emergency mode during power outages.
- Safety is ensured by the amperometric obstruction-detecting and limit-switch controlling device.
- Available in 2 models: small and large.
- Built in galvanized steel and painted RAL 1028 with textured finish.

Dimensions (mm)



001UNIP
001ARK1



001UNIP
001ARK2

Operational limits

| MODEL | UNIP + ARK1 | UNIP + ARK2 |
|--|-------------|-------------|
| Max clearance width of parking space (m) | 2 | 2,45 |

NOTE: Colore RAL 1028

Technical characteristics

| MODELS | UNIP |
|--|--------------------|
| Protection rating (IP) | 54 |
| Power supply (V - 50/60 Hz) | 230 AC |
| Power supply to motor (V) | 24 AC |
| Absorption (A) | 1,7 Max. |
| Power (W) | 20 |
| Duty/cycle (%) | HEAVY-DUTY SERVICE |
| Resistance to crushing (kg/cm ²) | 2,5 |
| Operating temperature (°C) | -20 ÷ +55 |

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| Parking guard barriers with 24 V DC gearmotor | |
|---|--|

| | |
|-----------------|--|
| 001 UNIP | Irreversible gearmotor with fastening plate. |
|-----------------|--|



| | |
|-------------------|--|
| Extra accessories | |
|-------------------|--|

| | |
|-----------------|----------------|
| 001 ARK1 | SMALL barrier. |
|-----------------|----------------|



| | |
|-----------------|----------------|
| 001 ARK2 | LARGE barrier. |
|-----------------|----------------|

| | |
|---------------------------------------|--|
| Control panels for 24 V DC gearmotors | |
|---------------------------------------|--|

| | |
|--------------------|---|
| 801 QA-0030 | ZL22N - Control panel for one parking saver barrier, extensible up to 4 barriers with no. 3 LM22N boards. |
|--------------------|---|



| | |
|-----------------------------|--|
| Accessories for: 801QA-0030 | |
|-----------------------------|--|

| | |
|--------------------|--|
| 801 XC-0110 | LM22N - Extension board for one motor. |
|--------------------|--|



| | |
|-----------------|---|
| 002 LB22 | Circuit board for emergency operation and battery charging. |
|-----------------|---|



NOTES:
002LB22 - No. 2 12 V - 1.2 Ah batteries, not supplied.

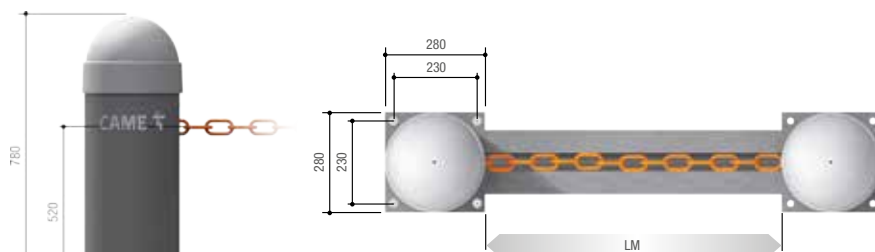
| PASSAGE WIDTH CLEARANCE | CHAIN TYPE | USE |
|-------------------------|------------|-----------|
| UP TO 16 m | 5 OR 9 mm | INTENSIVE |



Solution for access management in private and public settings

- CAME patented device for the management of reserved areas and private accesses.
- Sturdy and impact-resistant steel structure.
- Quick and simple installation.
- Guides to guarantee the chain protection with open passage.
- Available version with 24 V DC motor and CAME CONNECT technology.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

| MODEL | CAT-15 (5 mm chain) | CAT-5 (9 mm chain) |
|------------------------------|---------------------|--------------------|
| Max. net clearance width (m) | 16 | 8 |

NOTE: Cover color RAL 7040 - Cabinet color RAL 7024

Technical characteristics

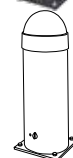
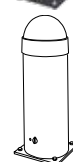
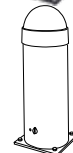
| MODELS | 803BC-0010 | 803BC-0040 | 803BC-0020 | 803BC-0050 |
|-----------------------------|------------|------------|------------|------------|
| Protection rating (IP) | 24 | 24 | 24 | 24 |
| Power supply (V - 50/60 Hz) | 220-230 AC | 220-230 AC | 220-230 AC | 220-230 AC |
| Power supply to motor (V) | 230 AC | 230 AC | 24 DC | 24 DC |
| Absorption (A) | 3,8 | 3,8 | 2,7 | 2,7 |
| Power (W) | 880 | 880 | 540 | 540 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |

● 230 V AC ● 24 V DC

Code Description

| Chain barriers with 230 V AC motor | |
|------------------------------------|---|
| 803BC-0010 | Pillar with 230 V gear motor and built-in control panel. |
| 803BC-0040 | Pillar with 230 V gear motor and built-in control panel; galvanised steel column, customised RAL painted. |
| Chain barriers with 24 V DC motor | |
| 803BC-0020 | Column with 24 V gearmotor and built-in control panel. |
| 803BC-0050 | Column with 24 V geared motor and built-in control panel; customised RAL painted galvanised steel column. |
| Column for chain barriers | |
| 803BC-0030 | Post with counter-weight and chain latch. |
| 803BC-0060 | Column with counterweight and chain coupling; galvanised steel column, customised RAL painted. |
| Accessories | |
| 001 CAT-5 | Genovese-type, 9 mm chain for clearances of up to 8 m. |
| 001 CAT-15 | Genovese-type, 5 mm chain for clearances of up to 16 m. |
| 001 CAR-2 | Above-round, chain protection guide L = 2 m. |
| 001 CAR-4 | Below-ground, chain protection guide L = 2 m. |
| Accessories for 24 V versions | |
| 002 RLB | Circuit board for emergency operation and battery charging. |

NOTES:
002RLB No. 2 batteries 12 V - 1.2 Ah not supplied.



ELEGANT AND CUSTOMISABLE FINISH

CAT columns are made of galvanised steel, painted in grey RAL 7024, elegant and refined for any environment, even for historical and exclusive contexts. The upper cap in light grey RAL 7040 and the steel chain orange, ensure maximum visibility and safety. CAT is available on request in a customised finish based on any RAL colour.

CONTROL BOARD FUNCTIONS

The table shows all of the characteristics of the street barrier control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

| Models / Series | G6500 G6501 G6000 G6001 | G5000 | 803BB-0120 | 803BB-0160 803BB-0280 803BB-0240 803BB-0260 803BB-0180 803BB-0290 803BB-0250 803BB-0270 | 803BB-0410 803BB-0430 803BB-0440 803BB-0370 803BB-0390 803BB-0400 |
|---|----------------------------------|--------|------------|--|--|
| Control board / Control panel | ZL39B | ZL39EX | ZLB30B | ZL392B | ZL392C |
| Safety | | | | | |
| SELF-DIAGNOSING safety decives | ● | ● | ● | ● | ● |
| PRE-FLASHING when opening and closing | ● | ● | ● | ● | ● |
| REOPENING during closing | ● | ● | ● | ● | ● |
| CLOSING AGAIN during opening | | | | ● | ● |
| Obstruction WAIT | ● | ● | | ● | ● |
| TOTAL STOP | ● | ● | ● | ● | ● |
| PARTIAL STOP | | | ● | ● | ● |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | ● | ● | ● |
| ENCODER | | ● | ● | ● | ● |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device. | | ● | ● | ● | ● |
| AMPEROMETRIC DETECTION | ● | ● | ● | ● | ● |
| Command | | | | | |
| PEDESTRIAN OPENING 1 leaf | | * | | | |
| PARTIAL OPENING 1 leaf | ● | ●* | | ● | ● |
| OPEN ONLY from transmitter and/or from button | ● | ● | ● | ● | ● |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | ● | ● | ● |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | | | ● | ● | ● |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● | ● | ● |
| MAINTAINED ACTION | ● | ● | ● | ● | ● |
| DELAYED OPENING 1st leaf | | | | | |
| DELAYED OPENING 2nd leaf | | | | | |
| IMMEDIATE CLOSING | ● | ● | ● | ● | ● |
| EMERGENCY RELEASE from the transmitter | | | | | |
| Characteristics | | | | | |
| FLASHING LIGHT connection | ● | ● | ● | ● | ● |
| CYCLE LIGHT connection | ● | ● | ● | ● | ● |
| COURTESY LIGHT connection | ● | ● | ● | ● | ● |
| Antenna | ● | ● | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | ● | ● | ● | ● |
| CLOSED ALERT LIGHT connection | | | | ● | ● |
| Contact output for 2nd RADIO CHANNEL | | | | | |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● | ● | ● |
| OPERATING TIME adjusting | | ● | | | |
| ELECTROLOCK/ELECTROBLOCK connection | | | ● | ● | ● |
| SLEEP MODE | | ● | | | |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | ● | ● | ● |
| OPENING and/or CLOSING slow downs | ● | ● | ● | ● | ● |
| EMERGENCY BATTERY operation (optional) | ● | ● | ● | ● | ● |
| MASTER-SLAVE | ● | ● | ● | ● | ● |
| Adjustable TRAVEL and SLOW-DOWN speeds* | ● | ● | ● | ● | ● |
| DISPLAY | ● | ● | ● | ● | ● |
| Electronic brake | ● | | | | |
| SELF-LEARNING opening and closing limit-switches | | ● | ● | ● | ● |
| Connection to the solar panel | | ● | | | |
| Compatible with CONNECT technology | ● | ● | ● | ● | ● |
| Designed to fit RIO System 2.0 | | | | | |
| CRP control | | ● | ● | | |
| ENERGY SAVINGS control (001RGP1) | | | | | |
| Firmware update from USB | | | ● | | |
| PASSWORD protecting access to functions | | | ● | ● | ● |
| MANEUVER COUNTER | ● | ● | ● | ● | ● |
| Number of operations setting for MAINTENANCE | | | ● | ● | ● |

* Only available in paired mode

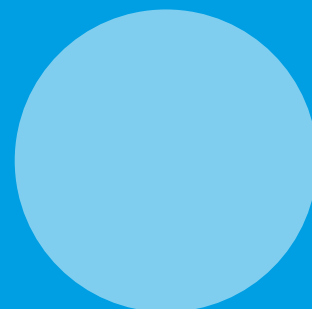
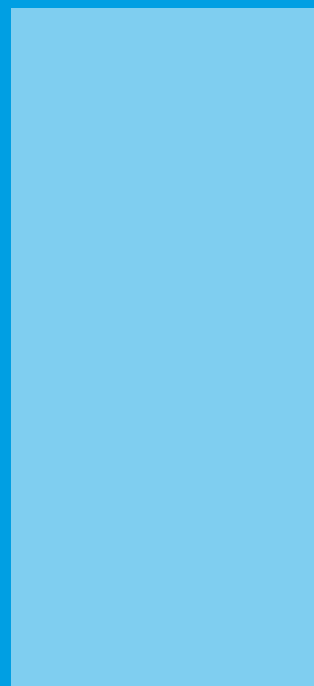
● 24 - 36 V DC

The table shows the characteristics of the parking system and chain barrier, operator-specific, control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

| Models / Series | CAT 230 V | CAT 24 V | UNIPARK |
|---|-----------|----------|---------|
| Control board / Control panel | 002ZA3P-C | 002ZN7-D | ZL22N |
| Safety | | | |
| SELF-DIAGNOSING safety decives | ● | ● | |
| PRE-FLASHING when opening and closing | ● | ● | |
| REOPENING during closing | ● | ● | ● |
| CLOSING AGAIN during opening | | | |
| Obstruction WAIT | ● | | |
| TOTAL STOP | ● | ● | ● |
| PARTIAL STOP | | | |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | |
| ENCODER | | | |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device. | | | |
| AMPEROMETRIC DETECTION | | ● | ● |
| Command | | | |
| PEDESTRIAN OPENING 1 leaf | | | |
| PARTIAL OPENING 1 leaf | | | |
| OPEN ONLY from transmitter and/or from button | ● | ● | |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ● | ● | |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● |
| MAINTAINED ACTION | ● | ● | |
| DELAYED OPENING 1st leaf | | | |
| DELAYED OPENING 2nd leaf | | | |
| IMMEDIATE CLOSING | | | |
| EMERGENCY RELEASE from the transmitter | | | |
| Characteristics | | | |
| FLASHING LIGHT connection | ● | ● | |
| CYCLE LIGHT connection | | | |
| COURTESY LIGHT connection | ● | ● | |
| Antenna | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | ● | |
| CLOSED ALERT LIGHT connection | ● | ● | |
| Contact output for 2nd RADIO CHANNEL | ● | | |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● |
| OPERATING TIME adjusting | ● | ● | |
| Connection for the ELECTRIC LOCK and/or RAMMING | | | |
| SLEEP MODE | | | |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | |
| OPENING and/or CLOSING slow downs | | | |
| EMERGENCY BATTERY operation (optional) | | ● | ● |
| MASTER-SLAVE | | | |
| Adjustable TRAVEL and SLOW-DOWN speeds* | | ● | |
| DISPLAY | | ● | |
| Electronic brake | | | |
| SELF-LEARNING opening and closing limit-switches | | | |
| Connection to the solar panel | | | |
| CAME Connect | | ● | |
| Designed to fit RIO System 2.0 | | | |
| CRP control | | | |
| ENERGY SAVINGS control (001RGP1) | | | |
| Firmware update from USB | | | |

● 230 V AC ● 24 V DC

INDUSTRIAL DOOR AUTOMATION



| | |
|-----|-------------------------|
| 184 | SELECTION GUIDE |
| 190 | F4000 |
| 192 | CBX |
| 196 | H4 |
| 199 | CONTROL BOARD FUNCTIONS |

Selection guide

Industrial door automation

The table shows the series and models and their operating limits according to the max. length of the leaf or its max. height, depending on the type of application.

| SWING LEAF DOORS | | |
|--|---------|---|
| Series | Model | Max. width of leaf (m) / Max. weight of leaf (kg) |
| F4000 | F4024E | 1,5 / 200 |
| F4000 | F40230E | 2 / 300 |
| F4000 | F4024EP | 2 / 300 |
| SINGLE-LEAF FOLDING DOORS | | |
| Series | Model | Max. width of leaf (m) / Max. weight of leaf (kg) |
| F4000 | F4024E | 1,2 / 150 |
| F4000 | F40230E | 1,2 / 200 |
| F4000 | F4024EP | 1,2 / 200 |
| SLIDING AND FOLDING SLIDING DOORS | | |
| Series | Model | Max. width of leaf (m) |
| CBX | C-BX | 11 |
| CBX | C-BXK | 11 |
| CBX | C-BXT | 11 |
| SECTIONAL DOORS WITH DIRECT TRANSMISSION | | |
| Series | Model | Max. height of leaf (m) |
| CBX | C-BX | 5,5 |
| CBX | C-BXK | 5,5 |
| CBX | C-BXT | 5,5 |
| CHAIN-DRIVEN SECTIONAL DOORS | | |
| Series | Model | Max. height of leaf (m) |
| CBX | C-BX | 8,5 |
| CBX | C-BXK | 8,5 |
| CBX | C-BXT | 8,5 |

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

Winding shutters

The tables summarize the series and models with their maximum operating limits only according to the hoisting strength of the gearmotors for roller shutters.

| Series | Model | Max. hoisting strength (kg) |
|--------|-----------|-----------------------------|
| H4 | H40230120 | 120 |
| H4 | H41230120 | 120 |
| H4 | H40230180 | 180 |
| H4 | H41230180 | 180 |

● 230 V AC



SECTIONAL DOOR

This operator is generally fitted in automated loading/unloading bays, but is often used as the main closure.



SLIDING DOOR

This operator is widely used in industrial facilities.



FOLDING DOOR

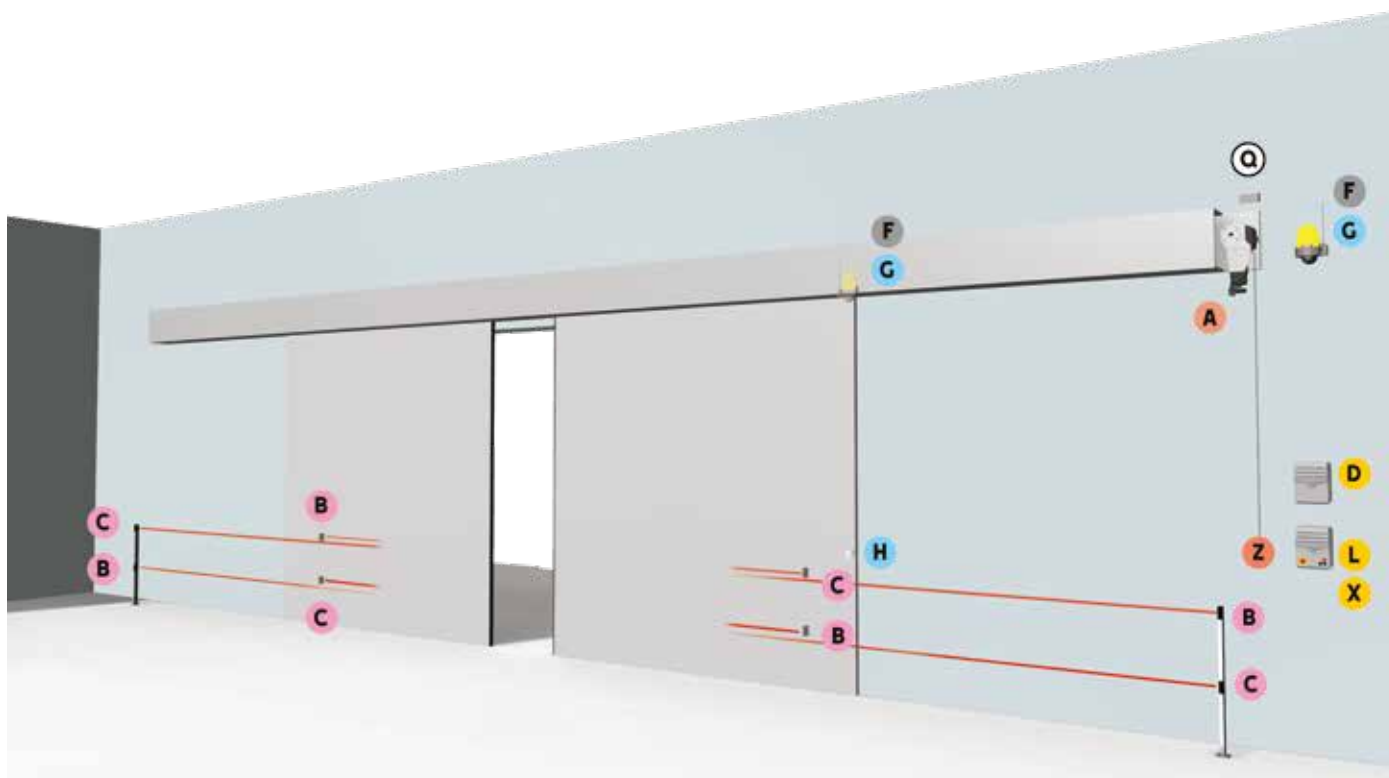
This operator is used to close very wide entrances while limiting, as much as possible, the space taken up laterally when the door is open.

The flashing light for movement signaling.

CAME has always suggested installing the flashing light as an additional safety feature for the automation system. The KRX range, with LED technology, combines energy saving and great reliability with easy installation. KRX can be integrated with all CAME radio systems, is available in various colors, has a built-in radio antenna and each model can be powered from 24 V DC to 230 V AC.



CHAIN-DRAWN SLIDING DOOR



COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

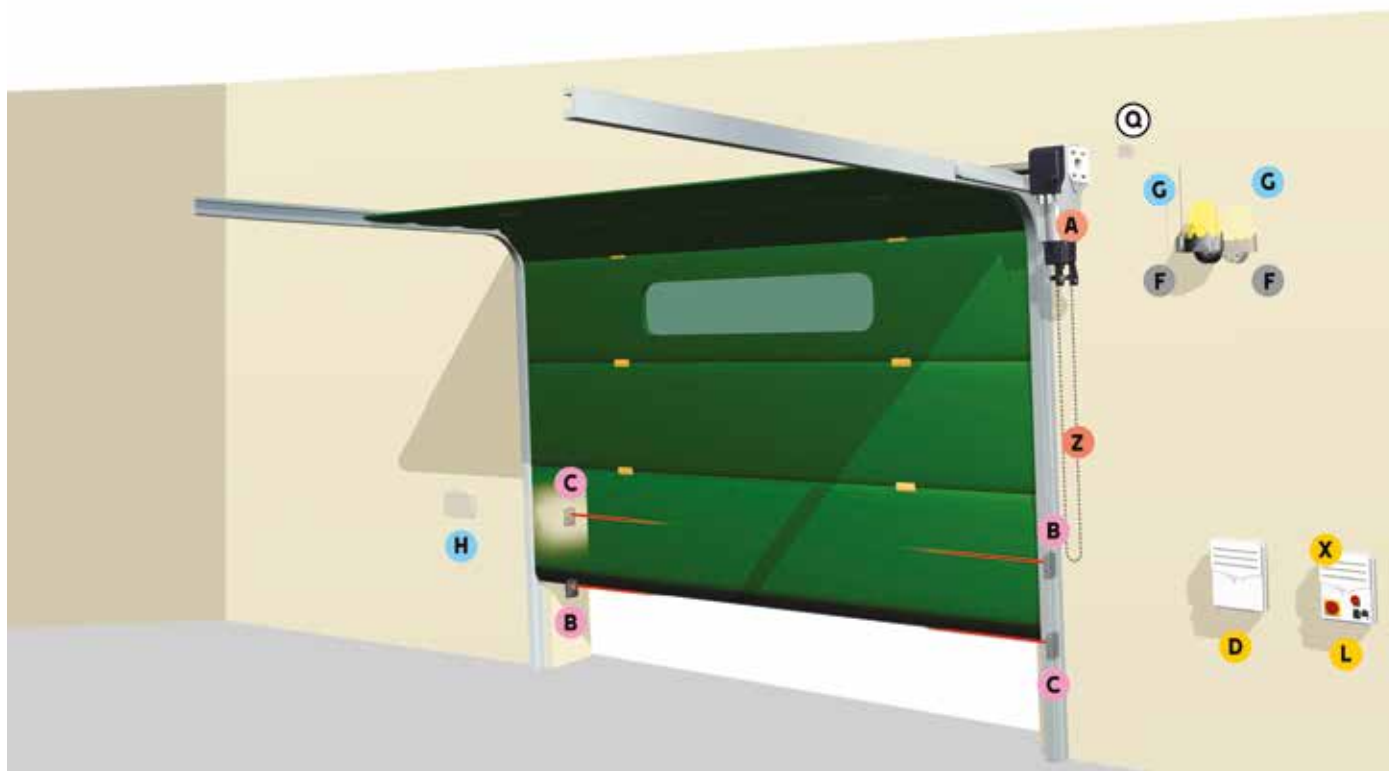
- A** Gearmotors
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

SECTIONAL WITH DIRECT DRIVE



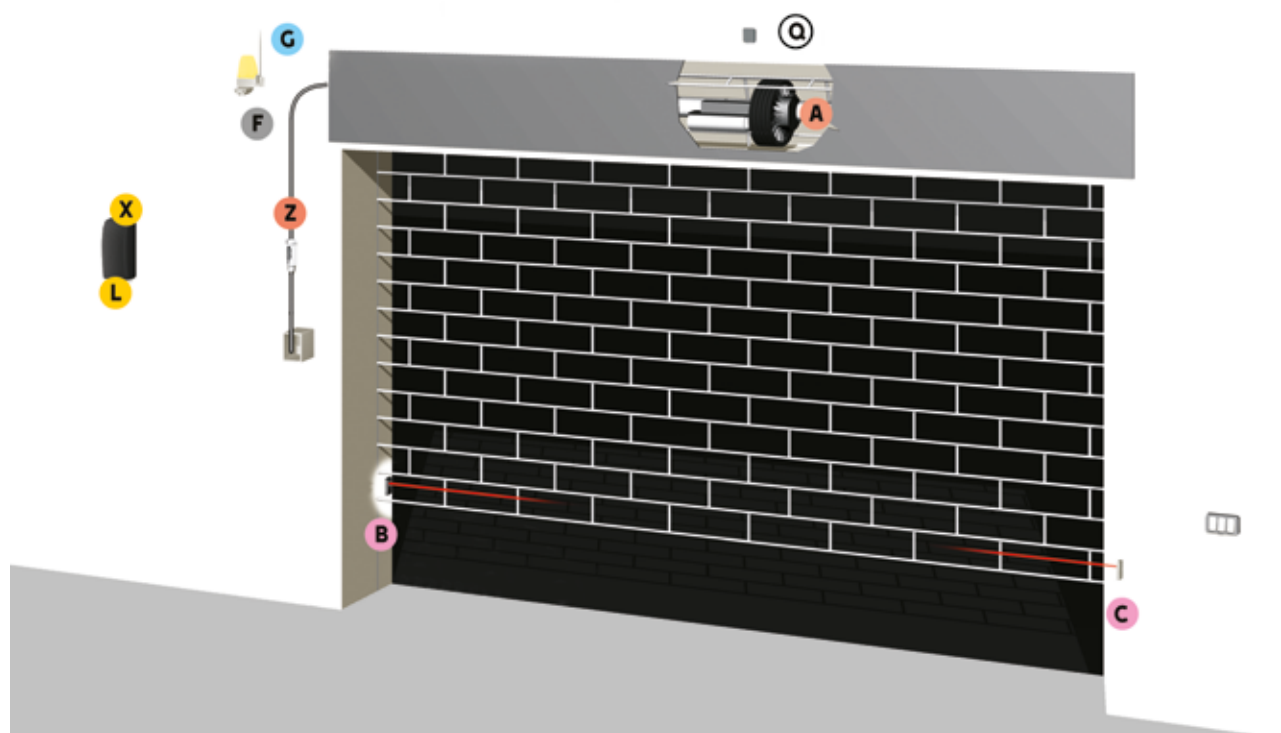
COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|--|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 - 400 V AC three phase | 4G x 1.5 mm ² | 4G x 1.5 mm ² | 4G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- F** Flashing light
- G** Antenna
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

| LENGTH OF CABLE (m) | < 10 | from 10 to 20 | from 20 to 30 |
|-------------------------------------|----------------------------|----------------------------|----------------------------|
| Power supply 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 230 V AC | 3G x 1.5 mm ² | 3G x 1.5 mm ² | 3G x 2.5 mm ² |
| Power supply to motor 24 or 36 V DC | 2G x 1.5 mm ² | 2G x 1.5 mm ² | 2G x 2.5 mm ² |
| Limit switch micro-switches | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Flashing light 24 V AC - DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Flashing light 230 V AC | 2 x 1.5 mm ² | 2 x 1.5 mm ² | 2 x 1.5 mm ² |
| TX Photocells | 2 x 0.5 mm ² | 2 x 0.5 mm ² | 2 x 0.5 mm ² |
| RX Photocells | 4 x 0.5 mm ² | 4 x 0.5 mm ² | 4 x 0.5 mm ² |
| Electric Lock 12 V DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1.5 mm ² |
| Electric Lock 24 V DC | 2 x 1 mm ² | 2 x 1 mm ² | 2 x 1 mm ² |
| Control devices | *no. x 0.5 mm ² | *no. x 0.5 mm ² | *no. x 0.5 mm ² |
| Antenna | RG58 max 10 m | | |

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

F4000

Industrial door automation



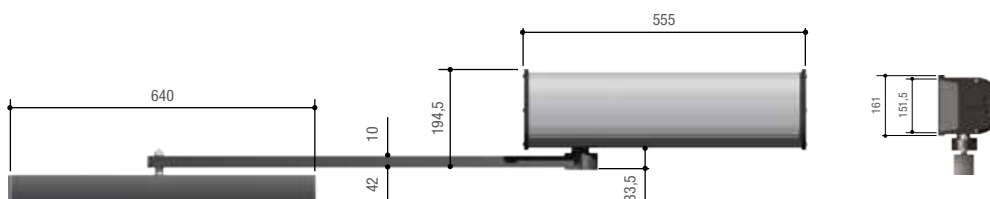
| MAXIMUM LEAF LENGTH | MAXIMUM LEAF WEIGHT | USE |
|---------------------|---------------------|-----------|
| UP TO 2 m | UP TO 300 kg | INTENSIVE |

Ideal solution for fitting on swing-leaf and folding doors

- 24 V DC and 230 V AC EN versions tested thanks to the electronic management with encoder.
- Quick and simple installation.
- It can be installed either on the right or left thanks the symmetrical inputs on the gear shaft.
- Protection rating against weathering agents (IP54).
- In the 24 V DC versions it is possible to adjust the maneuvering speed, opening and closing slow-down speeds, and electronic detection of the obstacle.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Operational limits

| MODEL | F40230E · F4024EP | F4024E |
|---------------------------|-------------------|--------|
| SWING LEAF DOORS | | |
| Max. width of leaf (m) | 2 | 1,5 |
| Max. weight of leaf (kg) | 300 | 200 |
| SINGLE-LEAF FOLDING DOORS | | |
| Max. width of leaf (m) | 1,5 | 1,2 |
| Max. weight of leaf (kg) | 200 | 150 |

Technical characteristics

| MODELS | F40230E | F4024E | F4024EP |
|------------------------------|-----------------|--------------------|--------------------|
| Protection rating (IP) | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 230 AC 50/60 Hz | 24 DC | 24 DC |
| Absorption (A) | 1,2 | 5 max | 10 max |
| Power (W) | 235 | 130 | 180 |
| Crown turns (rpm) | 1,3 | 1,3 | 24 |
| Duty/cycle (%) | 30 | HEAVY-DUTY SERVICE | HEAVY-DUTY SERVICE |
| Thrust (N) | 340 | 360 | 470 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Reduction ratio (i) | 1/150 | 1/150 | 1/150 |
| Motor's heat protection (°C) | 150 | - | - |

● 230 V AC ● 24 V DC

Code Description

230 V AC gearmotors tested in compliance with regulatory standards EN 12453

001**F40230E** Irreversible gearmotor with encoder.



Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453

002**ZM3E** Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding.



002**ZM3EC** Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices.



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453

001**F4024E** Irreversible gearmotor with encoder.



001**F4024EP** Irreversible gearmotor with encoder – boosted version.



Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453

801QA-0050 ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0060 ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.



Accessori per: 801QA-0050 - 801QA-0060

002**RLB** Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060

806XG-0080 BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



Accessories

001**F4004** Sliding drive-arm with track.



001**CMS** Release handle with customized key and resetting pull-cord L = 7 m.



001**C002** Hanging release system.



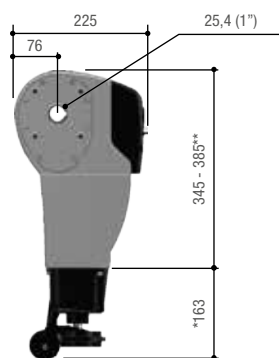
| MAX. LEAF HEIGHT | SHAFT Ø | USE |
|------------------|--------------|----------------|
| UP TO 11 m | 25.4 mm (1") | 20 CYCLES/HOUR |



Ideal solution for sectional, sliding or folding door applications

- C-BXK offers more torque for moving very heavy doors at 230 V AC .
- It can open manually by using the handy winch device.
- Possibility of horizontal and vertical installation for greater versatility.
- 230 - 400 V AC three-phase version, equipped with encoder, to guarantee greater thrust and maximum safety.

Dimensions (mm)



* Accessory
** 001C-BXK

Operational limits

| MODELS | C-BX | C-BXK | C-BXT |
|-----------------------------------|------|-------|-------|
| DIRECTLY-DRIVEN SECTIONAL DOORS | | | |
| Max. height of leaf (m) | 5,5 | 5,5 | 5,5 |
| CHAIN-DRIVEN SECTIONAL DOORS | | | |
| Max. height of leaf (m) | 8,5 | 8,5 | 8,5 |
| SLIDING AND FOLDING SLIDING DOORS | | | |
| Max. height of leaf (m) | 11 | 11 | 11 |

Technical characteristics

| MODELS | C-BX | C-BXK | C-BXT |
|------------------------------|-----------------|-----------------|-----------------------------|
| Protection rating (IP) | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230-400 V AC THREE PHASE |
| Power supply to motor (V) | 230 AC 50/60 Hz | 230 AC 50/60 Hz | 230-400 V AC TRIPH. 50/60Hz |
| Absorption (A) | 2,2 | 3,6 | 2,5 |
| Power (W) | 450 | 750 | 750 |
| Crown turns (rpm) | 21,5 | 21,5 | 21,5 |
| Duty/cycle (%) | 30 | 30 | 50 |
| Thrust (N) | 60 | 120 | 80 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 |

● 230 V AC ● 230 – 400 V AC THREE PHASE

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---------------------|--|
| 230 V AC Gearmotors | |
|---------------------|--|

| | |
|-----------------|---|
| 001 C-BX | Gearmotor with mechanical limit-switches. |
|-----------------|---|

| | |
|------------------|---|
| 001 C-BXK | Gearmotor with mechanical limit-switches. |
|------------------|---|

| | |
|---|--|
| Control panels for gearmotors: 001C-BX – 001C-BXK | |
|---|--|

| | |
|-------------------|---|
| 801QA-0140 | 230 V control panel for industrial doors with brake function. |
|-------------------|---|

| | |
|-------------------|---|
| 801QA-0150 | 230 V control panel for industrial doors, with brake function and complete with safety lock and push buttons. |
|-------------------|---|

| | |
|------------------|--|
| 002 ZM3EC | Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices. |
|------------------|--|



THE COMPLETE RANGE

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---------------------------------------|--|
| 230 - 400 V AC three-phase gearmotors | |
|---------------------------------------|--|

| | |
|------------------|---|
| 001 C-BXT | Gearmotor with mechanical limit-switches. |
|------------------|---|



| | |
|--|--|
| Control panels for gearmotor: 001C-BXT | |
|--|--|

| | |
|-----------------|---|
| 002 ZT6N | Control panel with self-diagnosis of safety devices, configurable C1, CX resistive inputs, external soft start management, maximum number of users: 25. |
|-----------------|---|



| | |
|------------------|---|
| 002 ZT6NC | Control panel complete with safety lock and buttons with self-diagnosis of safety devices, configurable C1, CX resistive inputs, external soft start management, maximum number of users: 25. |
|------------------|---|



Code Description

| Accessories for: SLIDING AND SWING-LEAF DOORS | |
|---|--|
| 009 CCT | Simple 1/2" chain. |
| 009 CGIU | Joint for 1/2" chain. |
| 001 C003 | Reset system for sliding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces. |
| 001 C004 | Reset system for folding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces. |
| Accessories for: SECTIONAL DOORS | |
| 001 C011 | Chain transmission system with 1:1 ratio, featuring a pinion with Z = 26 for gearmotor hollow shaft, Z = 26 pinion with chain and coupler for 1/2" chain and bracers for anchoring to the gearmotor. |
| 001 C005 | Chain-drive system (upper door height at 5.5.m) with Z = 26 pinion shaft for gearmotor hollow shaft, Z = 40 pinion with chain and joint for 1/2" chain and gearmotor-anchoring braces. |
| 001 C006 | Package of two drilled braces with Ø 25.4 mm (1") spring shaft (this accessory is specific for fitting onto doors with direct transmission gearmotor). |
| 001 C007 | Accessory with Ø 25 mm spring shaft. |
| 001 C008 | Accessory with Ø 40 mm spring shaft. |
| 001 C009 | Motor supporting brace with Ø 25.4 mm (1") spring shaft (specific accessory for fitting onto doors with direct-drive gearmotors). |
| 801XC-0150 | Winch for manual drive with DIN 766 Ø 3 mm chain (chain L = 10 m). |
| Accessories | |
| 001 CMS | Release handle with customized key and resetting pull-cord L = 7 m. |
| 001 C002 | Hanging release system. |
| 24 V accessories for: SECTIONAL DOORS | |
| 806XG-0060 | Safety sensor for industrial doors using laser technology with a detection zone of max. 10 m × 10 m. |
| 806XG-0070 | Safety sensor for industrial doors using laser technology with a detection zone of max. 5 m × 5 m. |
| Accessories for: 806XG-0060 - 806XG-0070 | |
| 818XG-0019 | Remote control for opening and safety detector. |
| 806XG-0050 | Steel support for opening detector and barrier safety. |
| 806XG-0040 | 24 V DC power supply for opening and safety detector. |

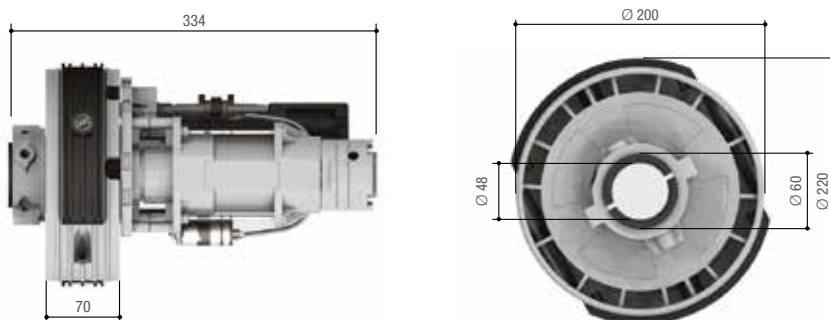


Ideal for winding shutters in single homes and apartment blocks

- Operator for most private and business facilities.
- Adaptable to either 48 mm or 60 mm shutter shafts and 200 mm or 220 mm springs.
- Quick and easy travel adjusting.
- Series adaptors for all models.
- Reduction ratio: 1: 150.



Dimensions (mm)



Operational limits

| MODELS | 001H40230120 | 001H41230120 | 001H40230180 | 001H41230180 |
|-----------------------------|--------------|--------------|--------------|--------------|
| Max. hoisting strength (kg) | 120 | 120 | 180 | 180 |

Technical characteristics

| CODE | 001H40230120 | 001H41230120 | 001H40230180 | 001H41230180 |
|------------------------------|--------------|--------------|--------------|--------------|
| Hoisted weight (Kg)* | 120 | 120 | 180 | 180 |
| Protection rating (IP) | 40 | 40 | 40 | 40 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC |
| Absorption (A) | 1,95 | 1,95 | 2,6 | 2,6 |
| Power (W) | 450 | 450 | 600 | 600 |
| Reduction ratio (i) | 1/150 | 1/150 | 1/150 | 1/150 |
| Duty/cycle (%) | 30 | 30 | 30 | 30 |
| Crown turns (rpm) | 10 | 10 | 10 | 10 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 160 | 160 | 160 | 160 |

● 230 V AC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---------------------|--|
| 230 V AC Gearmotors | |
|---------------------|--|

| | |
|----------------------|--|
| 001 H40230120 | 230 V AC irreversible operator complete with pull-cord release. Max. lifted weight 120 kg. |
|----------------------|--|



| | |
|----------------------|---|
| 001 H41230120 | 230 V AC reversible operator Max. lifted weight 120 kg. |
|----------------------|---|

| | |
|----------------------|--|
| 001 H40230180 | 230 V AC irreversible operator complete with pull-cord release. Max. lifted weight 180 kg. |
|----------------------|--|

| | |
|----------------------|---|
| 001 H41230180 | 230 V AC reversible operator Max. lifted weight 180 kg. |
|----------------------|---|

| | |
|--|--|
| Control panels for 230 V AC gearmotors | |
|--|--|

| | |
|-------------------|--|
| 809QA-0010 | 230 V AC control panel with on-board radio decoding. |
|-------------------|--|



| | |
|--|--|
| Accessories for: 001H41230120 - 001H41230180 | |
|--|--|

| | |
|-----------------|---|
| 001 H001 | Electric lock for the H41230120 and H41230180 reversible gearmotors, with pull-cord measuring L = 5 m and releasing knob. |
|-----------------|---|



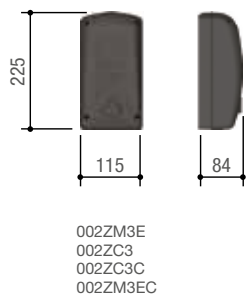
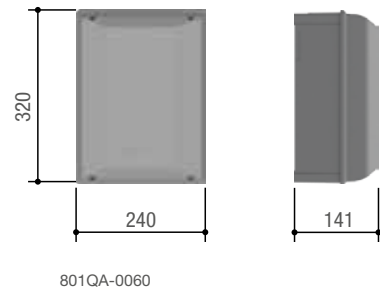
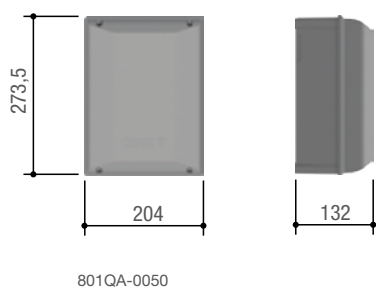
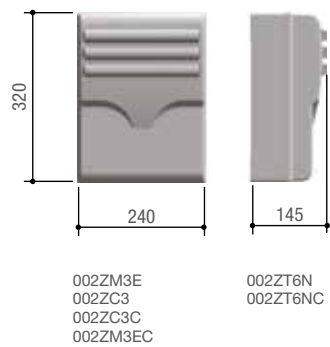
| | |
|--|--|
| Accessories for: 001H40230120 - 001H40230180 | |
|--|--|

| | |
|------------------|---|
| 001 H3001 | Safety casing with release knob and control button for pull-cord releasing. |
|------------------|---|



CONTROL PANEL DIMENSIONS

Dimensions (mm)



The table shows all of the characteristics of the industrial entrances control-panels.

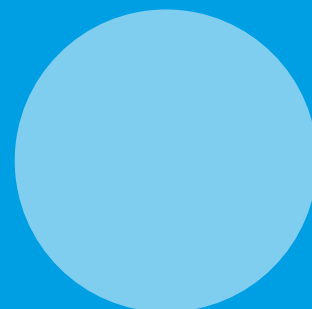
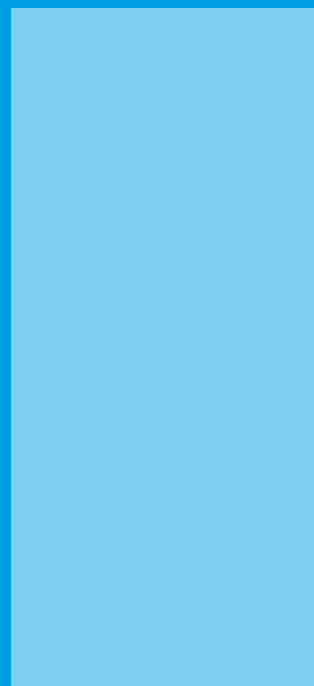
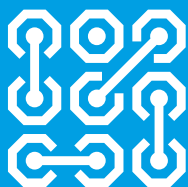
| Models / Series | F40230E | F40230E C-BX C-BXK | F4024E F4024EP | F4024E F4024EP | C-BX C-BXK | C-BX C-BXK | C-BXT | C-BXT | H4 |
|---|---------|--------------------------|-------------------|-------------------|---------------|---------------|-------|-------|------------|
| Control board / Control panel | ZM3E | ZM3EC | 801QA-0050 | 801QA-0060 | ZC3 | ZC3C | ZT6N | ZT6NC | 809QA-0010 |
| Safety | | | | | | | | | |
| SELF-DIAGNOSING safety decives | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PRE-FLASHING when opening and closing | ● | ● | ● | ● | ● | ● | ● | ● | |
| REOPENING during closing | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CLOSING AGAIN during opening | ● | ● | ● | ● | ● | ● | ● | ● | |
| Obstruction WAIT | ● | ● | ● | ● | | | | | |
| TOTAL STOP | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PARTIAL STOP | ● | ● | ● | ● | ● | ● | ● | ● | |
| OBSTRUCTION DETECTION in front of photocells | ● | ● | ● | ● | ● | ● | ● | ● | |
| ENCODER | ● | ● | | | | | | | |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device. | ● | | ● | ● | | | | | |
| AMPEROMETRIC DETECTION | | | ● | ● | | | | | |
| Command | | | | | | | | | |
| PEDESTRIAN OPENING 1 leaf | ● | ● | ● | ● | | | | | |
| PARTIAL OPENING 1 leaf | ● | ● | ● | ● | ● | ● | ● | ● | |
| OPEN ONLY from transmitter and/or from button | ● | ● | ● | ● | ● | ● | ● | ● | |
| ONLY OPEN or ONLY CLOSE button connection | ● | ● | ● | ● | ● | ● | ● | ● | |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| MAINTAINED ACTION | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| DELAYED OPENING 1st leaf | ● | ● | ● | ● | | | | | |
| DELAYED OPENING 2nd leaf | ● | ● | ● | ● | | | | | |
| IMMEDIATE CLOSING | | | | | | | | | |
| EMERGENCY RELEASE from the transmitter | | | | | | | | | |
| Characteristics | | | | | | | | | |
| FLASHING LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CYCLE LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● | |
| COURTESY LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Antenna | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| OPEN ALERT LIGHT connection | ● | ● | ● | ● | ● | ● | ● | ● | |
| CLOSED ALERT LIGHT connection | | | ● | ● | | | ● | ● | |
| Contact output for 2nd RADIO CHANNEL | ● | ● | | ● | ● | ● | ● | ● | |
| SELF-LEARNING of the transmitter's RADIO CODE | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| OPERATING TIME adjusting | ● | ● | ● | | ● | ● | | | ● |
| Connection for the ELECTRIC LOCK and/or RAMMING | ● | ● | ● | ● | | | | | |
| SLEEP MODE | ● | | | | | | | | |
| Adjustable AUTOMATIC CLOSING AGAIN TIME | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| OPENING and/or CLOSING slow downs | ● | ● | ● | ● | | | | | |
| EMERGENCY BATTERY operation (optional) | | | ● | ● | | | | | |
| MASTER-SLAVE | | | | | | | ● | ● | |
| Adjustable TRAVEL and SLOW-DOWN speeds* | ● | ● | ● | ● | | | | | |
| DISPLAY | ● | ● | ● | | | | | | |
| Electronic brake | | | | | ● | ● | ● | ● | |
| SELF-LEARNING opening and closing limit-switches | ● | ● | ● | ● | | | | | |
| CAME Connect | ● | | ● | ● | | | | | |
| CRP control | ● | | ● | ● | | | | | |
| CXN BUS | | | ● | ● | | | | | |
| AST (Adaptive Speed and Torque Technology) | | | ● | ● | | | | | |
| Slot CAME KEY | | | ● | ● | | | | | |
| TIMER control | | | | ● | | | | | |
| Possibility of managing two different motors | | | | ● | | | | | |

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

Note

* 002 ZM3E - 002ZM3EC only for slow-down speed

CONTROL AND SAFETY ACCESSORIES










| | |
|-----|-------------------|
| 202 | SELECTION GUIDE |
| 212 | TTS |
| 214 | TOP |
| 218 | DXR |
| 220 | DLX |
| 222 | DIR |
| 224 | KLT |
| 226 | KRX |
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| 230 | SEL KEY |
| 232 | SEL DIGITAL |
| 236 | RBE-RE |
| 240 | GATEWAY |
| 242 | DFWN |
| 244 | EDG |
| 248 | RIO SYSTEM 2.0 |
| 250 | QUICK&EASY ACCESS |

Selection guide

CONTROL AND SAFETY ACCESSORIES

The control and safety accessories complete and optimize the system and ensure its efficiency and peace-of-mind of the user, in full compliance with European Standards. The following pages are laid out to simplify your choosing of accessories that best suit your system.

SAFETY ACCESSORIES

| Product | Series | Characteristic | Type | Code | |
|-------------------------|----------------|-----------------|---|------------|---|
| Photocells | DIR | Surface mounted | Synchronized infrared | 001DIR10 |  |
| | | Surface mounted | Synchronized infrared | 001DIR20 | |
| | | Surface mounted | Synchronized infrared | 001DIR30 | |
| | DXR | Surface mounted | Synchronized infrared | 806TF-0030 |  |
| | | Surface mounted | Synchronized infrared | 806TF-0040 | |
| | | Surface mounted | Synchronized infrared | 806TF-0120 |  |
| | | Surface mounted | Battery-operated synchronized infrared | 806TF-0060 | |
| | | Surface mounted | Synchronized infrared with CXN BUS connection | 806TF-0110 |  |
| | DLX | Recess mounted | Synchronized infrared | 806TF-0070 | |
| | | Surface mounted | Synchronized infrared | 806TF-0080 |  |
| | | Recess mounted | Synchronized infrared with CXN BUS connection | 806TF-0090 | |
| | | Surface mounted | Synchronized infrared with CXN BUS connection | 806TF-0100 |  |
| Wireless safety systems | RIO System 2.0 | Surface mounted | Radio control module | 806SS-0050 |  |
| | | Surface mounted | Wireless flashing light | 806SS-0030 | |
| | | Surface mounted | Wireless infrared beam photocells | 806SS-0010 | |
| | | Surface mounted | Wireless module for sensitive safety-edges. | 806SS-0020 | |

SAFETY ACCESSORIES

| Product | Series | Characteristic | Type | Code | |
|------------------------|--------|------------------|-------------------------------------|-----------------------------|--|
| Sensitive safety-edges | EDG H | Resistive | Ready to use L = 1500 mm | 806ED-0130 |  |
| | | Resistive | Ready to use L = 1700 mm | 806ED-0131 | |
| | | Resistive | Ready to use L = 2000 mm | 806ED-0132 | |
| | | Resistive | Ready to use L = 2500 mm | 806ED-0133 | |
| | EDG I | Resistive | Ready to use L = 1500 mm | 806ED-0140 |  |
| | | Resistive | Ready to use L = 1700 mm | 806ED-0141 | |
| | | Resistive | Ready to use L = 2000 mm | 806ED-0142 | |
| | | Resistive | Ready to use L = 2500 mm | 806ED-0143 | |
| | EDG L | Resistive | Ready to use L = 1500 mm | 806ED-0150 |  |
| | | Resistive | Ready to use L = 1700 mm | 806ED-0151 | |
| | | Resistive | Ready to use L = 2000 mm | 806ED-0152 | |
| | | Resistive | Ready to use L = 2500 mm | 806ED-0153 | |
| | DFWN | Mechanical | Ready to use | 001DFWN1500 001DFWN1500N |  |
| | | Mechanical | Ready to use | 001DFWN1700 001DFWN1700N | |
| | | Mechanical | Ready to use | 001DFWN2000 001DFWN2000N | |
| | | Mechanical | Ready to use | 001DFWN2500 001DFWN2500N | |
| Flashing lights | KIARO | Optional antenna | LED | 001KLED |  |
| | | Optional antenna | LED | 001KLED24 | |
| | KRX | Built-in antenna | LED | 806LA-0010 |  |
| | | Built-in antenna | LED | 806LA-0020 | |
| | | Built-in antenna | LED | 806LA-0030 | |
| | | Built-in antenna | LED with BUS CXN connection | 806LA-0050 |  |
| | | Built-in antenna | LED with BUS CXN CONNECT connection | 806LA-0070 | |
| | | Built-in antenna | LED | 806LA-0060 | |
| | KLT | Built-in antenna | LED | 806LA-0060 |  |







For all sensitive safety edges, individual items are available for tailor-made composition.



CONTROL ACCESSORIES

| Product | Series | Characteristic | Type | Code | |
|-----------|-------------|-----------------|--|------------|--|
| Selectors | SEL Digital | Surface mounted | Bluetooth digital Standalone | 806SL-0340 | |
| | | Surface mounted | Bluetooth digital Standalone | 806SL-0350 | |
| | | Surface mounted | Bluetooth digital Standalone | 806SL-0360 | |
| | | Surface mounted | Plug-in digital bluetooth | 806SA-0140 | |
| | | Surface mounted | Digital transponder with BUS CXN connection | 806SL-0300 | |
| | | Recess mounted | Digital transponder with BUS CXN connection | 806SL-0310 | |
| | | Surface mounted | Digital transponder MiFare with BUS CXN connection | 806SL-0320 | |
| | | Recess mounted | Digital transponder MiFare with BUS CXN connection | 806SL-0330 | |
| | | Surface mounted | Digital with wireless keypad | 806SL-0170 | |
| | | Surface mounted | Digital with wireless keypad | 806SL-0180 | |
| | | Surface mounted | Digital with BUS CXN connection keypad | 806SL-0280 | |
| | | Recess mounted | Digital with BUS CXN connection keypad | 806SL-0290 | |
| | | Recess mounted | Microwave sensor | 806SL-0260 | |
| | | Indoor | Magnetic sensor | 001SMA | |
| | | Indoor | Magnetic sensor | 001SMA2 | |
| | | Indoor | Magnetic sensor | 001SMA220 | |
| | SEL Key | Surface mounted | Key-operated with DIN cylinder | 806SL-0050 | |
| | | Surface mounted | Key-operated with DIN cylinder CXN BUS | 806SL-0070 | |
| | | Surface mounted | Key-operated with DIN cylinder For 230 V | 806SL-0090 | |
| | | Recess mounted | Key-operated with DIN cylinder | 806SL-0060 | |
| | | Recess mounted | Key-operated with DIN cylinder CXN BUS | 806SL-0080 | |
| | | Recess mounted | Key-operated with DIN cylinder For 230 V | 806SL-0100 | |
| | | Surface mounted | Key-operated with cylinder | 806SL-0010 | |
| | | Surface mounted | Key-operated with cylinder CXN BUS | 806SL-0030 | |
| | | Recess mounted | Key-operated with cylinder | 806SL-0020 | |
| | | Recess mounted | Key-operated with cylinder CXN BUS | 806SL-0040 | |
| | | Surface mounted | Key-operated without DIN cylinder | 806SL-0051 | |
| | | Recess mounted | Key-operated without DIN cylinder | 806SL-0061 | |

CONTROL ACCESSORIES

| Product | Series | Characteristic | Type | Code | |
|--------------|--------|--------------------------------------|-----------|------------|--|
| Transmitters | TOP | 433.92 MHz Rolling code | 4 buttons | 806TS-0270 |  |
| | | 433,92 MHz Fixed Code | 2 buttons | 806TS-0300 |  |
| | | 433,92 MHz Fixed Code | 4 buttons | 806TS-0310 |  |
| | | 433.92 MHz - 868.35 MHz Rolling code | 4 buttons | 806TS-0290 |  |
| | | 433.92 MHz - 868,35 MHz Fixed code | 4 buttons | 806TS-0330 |  |
| | TTS | 433.92 MHz - 868.35 MHz Rolling code | 4 buttons | 806TS-0230 |  |
| | | 433,92 MHz Fixed Code | 4 buttons | 806TS-0240 | |
| | | 433,92 MHz Rolling Code | 4 buttons | 806TS-0250 | |



FUNCTIONS TABLE

Characteristics

| SERIES | MODEL | FREQUENCY 433.92 MHz | FREQUENCY 868.35 MHz | MODE FIXED CODE | MODE ROLLING CODE |
|--------------------|------------|-------------------------|-------------------------|--------------------|----------------------|
| SEL Digital | 806SL-0170 | ● | | ● | ● |
| | 806SL-0180 | | ● | ● | ● |
| TTS | 806TS-0230 | ● | ● | | ● |
| | 806TS-0240 | ● | | ● | |
| | 806TS-0250 | ● | | | ● |
| | 806TS-0270 | ● | | | ● |
| TOP | 806TS-0300 | ● | | ● | |
| | 806TS-0310 | ● | | ● | |
| | 806TS-0290 | ● | ● | | ● |
| | 806TS-0330 | ● | ● | ● | |



KLT FOR BARRIERS

KLT is the perfect solution for applications on GARD LT4 and GARD LS4 automatic barriers. The simple connection and the possibility of customizing colors and flashing type, allow the installer to choose the best signaling configuration for each specific context.

Selectors - interface cards combinations

| SERIES | MODEL | CONTROL PANEL TYPE | | EXTERNAL INTERFACE CARD | RECEIVER MODULES* | |
|-------------|------------|--------------------------------|----------------------------|-------------------------|-------------------------|------------|
| | | CONTROL PANEL WITHOUT CXN BUS* | CONTROL PANEL WITH CXN BUS | 806SL-0370 | 806RV-0010 | 806RV-0020 |
| SEL Digital | | Plug-in interface cards | | | Plug-in interface cards | |
| | 806SL-0280 | 001R800** | ● | ● | 001R800** | |
| | 806SL-0290 | | ● | ● | | |
| | 806SL-0300 | | ● | ● | | |
| | 806SL-0310 | 001R700** | ● | ● | 001R700** | |
| | 806SL-0320 | | ● | ● | | |
| | 806SL-0330 | | ● | ● | | |

Notes

* Interface card to be purchased depending on control panel type

** If provided in the control panel, otherwise use 806SL-0370.

Radio devices - receivers combinations

| SERIES | MODEL | CONTROL PANEL TYPE | | RECEIVER TYPE | | RECEIVER MODULES * | |
|-------------|------------|--------------------------------------|---------------------------------|----------------------|-----------|-------------------------------|------------|
| | | CONTROL PANEL WITH DISPLAY * | CONTROL PANEL WITHOUT DISPLAY * | TWO-CHANNEL RECEIVER | | 806RV-0010 | 806RV-0020 |
| SEL Digital | | Plug-in radio-frequency board | | 001RE432M | 001RE862M | Plug-in radio-frequency board | |
| | 806SL-0170 | 001AF43S | | ● | | 001AF43S | |
| | 806SL-0180 | 001AF868 | | | ● | 001AF868 | |
| TTS | 806TS-0230 | 001AF43S or 001AF868 | 001AF43SR or 001AF868SR | ● | ● | 001AF43S or 001AF868 | |
| | 806TS-0240 | 001AF43S | 001AF43TW | ● | | 001AF43S | |
| | 806TS-0250 | | 001AF43SR | ● | | | |
| TOP | 806TS-0270 | 001AF43S | 001AF43SR | ● | | 001AF43S | |
| | 806TS-0300 | | 001AF43TW (Key Code) | ● | | | |
| | 806TS-0310 | | 001AF43TW (Key Code) | ● | | | |
| | 806TS-0290 | 001AF43S or 001AF868 | 001AF43SR or 001AF868SR | ● | ● | 001AF43S or 001AF868 | |
| | 806TS-0330 | 001AF43S or 001AF868 (Default) | 001AF43TW (433 MHz only) | ● | ● | 001AF43S or 001AF868 | |

Note

* Decoder control card to buy depending on the type of control panel

** Se prevista codifica nel quadro comando, altrimenti utilizzare 806SL-0370.



KLT FOR GARAGE DOORS

KLT is the perfect solution for any setting where the application of a slim flashing light with essential lines is required.

Installed on a wall or post, KLT is a safety indicator in case of moving automations for garage doors, industrial doors or gates.

THE SAFETY

GENERAL CHARACTERISTICS



PHOTOCELLS: SYNCHRONIZED INFRARED BEAM

Thanks to the synchronized beam, multiple pairs of photocells can be applied to the same system, even at double height and/or close to each other - with no interference issues.



FLASHING LIGHTS: LOW CONSUMPTION MOVEMENT DETECTORS

Lightweight, practical and quick to install, the beacons are equipped with a low consumption LED lamp.

Available in 24 V AC - DC and 120 - 230 V AC versions, they are equipped with accessories for wall mounting and integrated antenna (KRX and KLT).



SENSITIVE SAFETY EDGES: CUSTOMIZABLE AND READY TO INSTALL

Equipped with a resistive contact and certified in accordance with EN13849-1 standards, they are used to create automation systems with high safety standard.



WIRED AND REMOTE CONTROLS: SAFETY AND VERSATILITY

When installed with sensitive edges, they control the protections installed on both the moving leaf gate and the fixed part, with a high level of safety in full compliance with current regulations.



The photocells with aluminium cover

The DXR series of swivel photocells can also be used to control a system thanks to the adjustable relay output. Special aluminium covers are also available, specific for applications where maximum strength and reliability are required.

GENERAL CHARACTERISTICS



SELF-LEARNING OF THE CODE FROM TRANSMITTER TO RECEIVER

This function lets the dedicated receiver memorize the code assigned to the transmitter.



SELF-LEARNING OF THE CODE FROM TRANSMITTER TO TRANSMITTER

This characteristic lets you create a duplicate transmitter, by copying the code onto another identical device.



MULTI-USER CODES

This characteristic on the transmitter is for emitting different codes for each key on the transmitter itself.

The aim is to obtain control of independent systems that are located within the same operating range.

(E.g.: common gate used by all tenants and private overhead garage door for each tenant).



RADIO SYSTEM CERTIFICATION

All CAME radio-frequency systems are certified for using in European and non-European countries.



MADE IN ITALY, made by CAME!

The 100% Made-in-Italy brand of origin certifies that all CAME products come from a quality manufacturing process, designed to provide reliable and effective technological products. The products have been tested for 10 to 15 years of wear and tear under intense activity, with extreme temperature resistance tests and specific checks on operating in electromagnetic interference conditions.

RIO SYSTEM 2.0, COMPLETELY SAFE, NO WIRES

RIO System 2.0 is the innovative radio-based safety system that needs no wired connection between the control module and the safety accessories. This feature drastically reduces installation times. Control module, photocells, sensitive safety-edge and flashing light all make up a complete system based on totally wireless transceiver-technology. This is ideal for bringing up to code any existing systems or for rapidly installing entirely new systems. The control module is to be connected to the operator's control panel, whereas the other modules interact via radio.

RIO System 2.0 is incompatible with the previous version.

SYSTEM COMPONENTS AND MAIN CHARACTERISTICS

806SS-0050



- Radio control module, with 30 m range, which can manage up to 6 Rio series wireless accessories that are programmed during installation.
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery or wireless accessory malfunction alerts.
- Automatic frequency switching when radio-frequency disturbances occur.
- Special function for viewing radio-signal quality and any disturbances.

806SS-0030



- Wireless, battery-operated flashing light.
- Two high-luminosity LEDs to provide 360° alerts when the operator is moving.
- LED for monitoring the system and devices' operation.

806SS-0020



- Certified product, validated for category 2, which means it is highly safe and reliable.
- Wireless module for controlling one or two resistive sensitive safety-edges of the 8k2 DFWN series, that can transmit and receive from and to Rio control.
- Battery powered.
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery alerts or poor radio communication.

806SS-0010



- Pair of battery-powered wireless photocells that can transmit and receive to and from the 806SS-0040 and 806SS-0050 modules.
- Infrared signal (range 10 m).
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery alerts or poor radio communication.

806SS-0040



- Snap-in radio control module for controlling wireless accessories to use in corresponding automated operators.

EXAMPLE FITTED ONTO SLIDING GATE

- A** = Trasmitter 806SS-0010.
- B** = Receiver 806SS-0010.
- C** = Receiver 806SS-0020.
- D** = Sensitive safety edge of the DFWN series.
- E** = Flashing light 806SS-0030.
- F** = Control modules 806SS-0050 and 806SS-0040

INSTALLATION ACCESSORIES:

FOR RIO SYSTEM 2.0-SERIES PHOTOCELLS

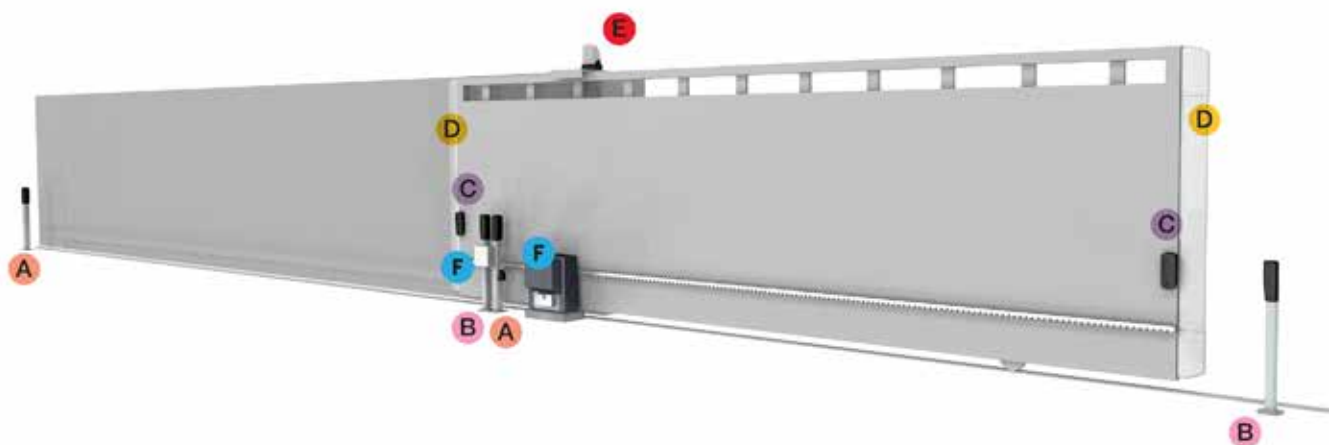
001DB-L Post made of natural-finish anodized aluminum.

001DB-LN Post made of black anodized aluminum. H = 500 mm.

001DB-CG RAL9006 silver PVC post. H = 500 mm.

FOR RIO System 2.0 FLASHING LIGHT

001KIAROS Base for wall-mounting.

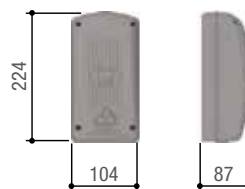
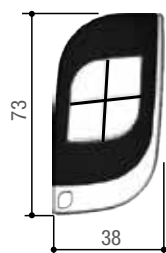




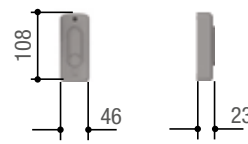
Remote control featured by an elegant and refined design

- Available in rolling code and fixed code versions.
- Self-learning from transmitter to transmitter.
- Self-learning from TOP, TAM and TWIN series radio controls.
- Removable battery compartment for easy replacement.
- Multi-user function for fixed code version.
- More secure thanks to the dynamic code for the rolling code version.
- It can be configured remotely via gateway or locally via CAME KEY.

Dimensions (mm)



806RV-0010
806RV-0020



001RE432M
001RE862M

Operational limits

| MODELS | 806TS-0230 | 806TS-0240 | 806TS-0250 |
|-------------------------|------------|------------|------------|
| Max. range of radio (m) | 50 ÷ 150 | 50 ÷ 150 | 50 ÷ 150 |

Technical characteristics

| MODELS | 806TS-0230 | 806TS-0240 | 806TS-0250 |
|------------------------------|-----------------------|-----------------------|-----------------------|
| Combinations | 4.294.967.896 | 16.777.216 | 4.294.967.896 |
| Radio signal frequency (Mhz) | 433,92 - 868,35 | - | 433,92 |
| Battery type | 1 CR2032 Lithium | 1 CR2032 Lithium | 1 CR2032 Lithium |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | Polycarbonate - Zamak | Polycarbonate - Zamak | Polycarbonate - Zamak |

Code Description

| Dual frequency transmitters, 433.92 MHz and 868.35 MHz | | |
|---|---|--|
| 806TS-0230 | TTS44RKS - Double frequency four-channel rolling code transmitter. 4,294,967,896 combinations. | |
| 433.92 MHz transmitters | | |
| 806TS-0240 | TTS44FKS - Four-channel transmitter with new fixed code encoding at 433.92 MHz and self-learning function for TOP, TAM and TWIN series radio controls. | |
| 806TS-0250 | TTS44RKS - Four-channel 433.92 MHz rolling code transmitter. 4,294,967,896 combinations. | |
| Snap-in 433.92 MHz receivers | | |
| 001 AF43S | 433,92 MHz plug-in radio frequency card. | |
| 001 AF43SR | 433.92 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters. | |
| 001 AF43TW | 433,92 MHz plug-in radio frequency card. | |
| 868.35 MHz plug-in receivers for: 806TS-0230 | | |
| 001 AF86B | 868.35 MHz plug-in radio frequency card. | |
| 001 AF86SR | 868.35 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters. | |
| 24 V AC - DC external modules | | |
| 806RV-0010 | RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding. | |
| 120 - 230 V AC external modules | | |
| 806RV-0020 | RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding. | |
| External, 12 - 24 V AC - DC, 433.92 MHz radio receivers | | |
| 001 RE432M | Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding. | |
| External, 12 - 24 V AC - DC, 868.35 MHz radio receivers for: 806TS-0230 | | |
| 001 RE862M | Two-channel 868.35 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D and TTS coding. | |
| 868.35 MHz antenna for: 001KLED - 001KLED24 | | |
| 001 TOP-A862N | Antenna tuned at 868.35 MHz. | |
| 433.92 MHz antenna for: 001KLED - 001KLED24 | | |
| 001 TOP-A433N | Antenna tuned at 433.92 MHz. | |
| Accessories | | |
| 001 TOP-RG58 | Antenna cable L = 5 m. | |
| Transmitter accessories | | |
| 806XG-0020 | Pack of no. 2 3V DC CR2032 lithium batteries. | |

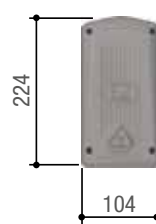
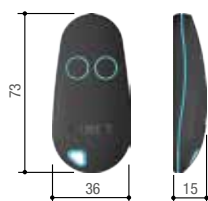
NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF86B.



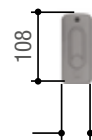
The CAME remote control, available in rolling code and fixed code versions

- Available in rolling code and fixed code versions.
- Self-learning from transmitter to transmitter.
- Self-learning from TOP, TAM and TWIN series radio controls.
- Frequency change function for dual frequency versions.
- Multi-user function for fixed code version.
- More secure thanks to the dynamic code for the rolling code version.
- It can be configured remotely via gateway or locally via CAME KEY.

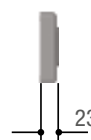
Dimensions (mm)



806RV-0010
806RV-0020



001RE432M
001RE862M



Operational limits

| MODELS | 806TS-0270 | 806TS-0300 | 806TS-0310 | 806TS-0290 | 806TS-0330 |
|-------------------------|------------|------------|------------|------------|------------|
| Max. range of radio (m) | 50 ÷ 150 | 50 ÷ 150 | 50 ÷ 150 | 50 ÷ 150 | 50 ÷ 150 |

Technical characteristics

| MODELS | 806TS-0270 | 806TS-0300 | 806TS-0310 | 806TS-0290 | 806TS-0330 |
|------------------------------|------------------|------------------|------------------|------------------|------------------|
| Combinations | 4.294.967.896 | - | - | 4.294.967.896 | - |
| Radio signal frequency (Mhz) | 433,92 | 433,92 | 433,92 | 433,92 - 868,35 | 433,92 - 868,35 |
| Battery type | 1 CR2032 Lithium | 1 CR2032 Lithium | 1 CR2032 Lithium | 1 CR2032 Lithium | 1 CR2032 Lithium |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | Polycarbonate | Polycarbonate | Polycarbonate | Polycarbonate | Polycarbonate |

Code Description

| 433.92 MHz transmitters | |
|--|--|
| 806TS-0270 | TOP44RBN - Four-channel 433.92 MHz rolling code transmitter. 4,294,967,896 combinations. |
| 806TS-0300 | TOP42FGN - Two-channel transmitter with new fixed code encoding at 433.92 MHz and self-learning function for TOP, TAM and TWIN series radio controls. |
| 806TS-0310 | TOP44FGN - Four-channel transmitter with new fixed code encoding at 433.92 MHz and self-learning function for TOP, TAM and TWIN series radio controls. !da duplicazione! |
| Dual frequency transmitters, 433.92 MHz and 868.35 MHz | |
| 806TS-0290 | TOPD4REN - Four-channel, dual-frequency, rolling code transmitter (Default 868.35 MHz). 4,294,967,896 combinations. |
| 806TS-0330 | TOPD4FRN - Four-channel, dual-frequency transmitter with new fixed code encoding (Default 868.35 MHz) and self-learning function for TOP, TAM, TWIN and TTS series radio controls. |
| Snap-in 433.92 MHz receivers | |
| 001 AF43S | 433,92 MHz plug-in radio frequency card. |
| 001 AF43SR | 433.92 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters. |
| 001 AF43TW | 433,92 MHz plug-in radio frequency card. |
| Snap-in 868.35 MHz receivers | |
| 001 AF868 | 868.35 MHz plug-in radio frequency card. |
| 001 AF868SR | 868.35 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters. |



THE COMPLETE RANGE

Code Description

24 V AC - DC external modules

806RV-0010 RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



120 - 230 V AC external modules

806RV-0020 RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



External, 12 - 24 V AC - DC, 433.92 MHz radio receiver

001RE432M Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.



External, 12 - 24 V AC - DC, 868.35 MHz radio receiver

001RE862M Two-channel 868.35 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D and TTS coding.



433.92 MHz antenna for: 001KLED - 001KLED24

001TOP-A433N Antenna tuned at 433.92 MHz.



868.35 MHz antenna for: 001KLED - 001KLED24

001TOP-A862N Antenna tuned at 868.35 MHz.



Accessories

001TOP-RG58 Antenna cable L = 5 m.



Transmitter accessories

806XG-0020 Pack of no. 2 3V DC CR2032 lithium batteries.



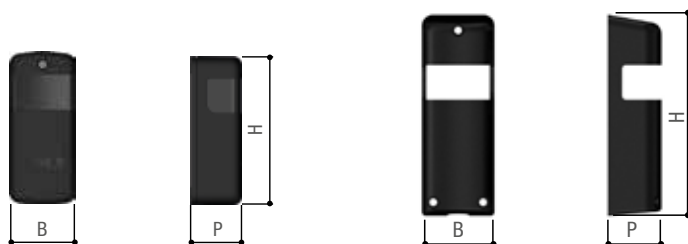
NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.



Swiveling, synchronized infrared-beam safety devices

- Available in the traditional version (black edge) and in the CXN BUS version (blue edge).
- Control the gate's area of movement
- Infrared beam swivels up to 180° on its vertical axis.
- It can synchronize up to eight pairs of photocells, with no disturbances, plus no wiring required between the transmitter and the receiver.
- Also available is the double height post for installing at industrial sites used by very large vehicles.
- Infrared beam range adjustment.
- Filter function to prevent false detections due to bad weather or direct sunlight.
- Settable contact output so the photocell can double as a control device.
- Also available with aluminum alloy casing.
- The 806TF-0060 version, with battery-powered transmitter, also allows to control a sensitive resistive safety-edge to protect the moving gate leaf.

Dimensions (mm)



806TF-0030
806TF-0060
806TF-0110
806TF-0120

806TF-0040
806TF-0050

Dimensions table (mm)

| Models | B (mm) | H (mm) | P (mm) | P + Q (mm) |
|------------|--------|--------|--------|------------|
| 806TF-0030 | 46 | 108 | 37 | - |
| 806TF-0040 | 52 | 145 | 39 | - |
| 806TF-0050 | 52 | 145 | 39 | - |
| 806TF-0060 | 46 | 108 | 37 | - |
| 806TF-0110 | 46 | 108 | - | 37 |
| 806TF-0120 | 29,5 | 116 | 29 | - |

Operational limits

| MODELS | 806TF-0030 | 806TF-0040 | 806TF-0060 | 806TF-0110 | 806TF-0120 |
|--------------------------------|------------|------------|------------|------------|------------|
| Max range of infrared beam (m) | 20 | 20 | 10 | 20 | 20 |

Technical characteristics

| MODELS | 806TF-0030 | 806TF-0040 | 806TF-0060 | 806TF-0110 | 806TF-0120 |
|---|-----------------|-----------------|----------------------|------------|-----------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 |
| Power supply (V) | 12 - 24 AC - DC | 12 - 24 AC - DC | 12 - 24 AC - DC (RX) | BUS CXN | 12 - 24 AC - DC |
| Power (W) | - | - | - | 0,29 | - |
| Batteries | - | - | 1 x CR123A | - | - |
| Battery capacity (mAh) | - | - | 1700 | - | - |
| Maximum rating of output contacts at 24 V (A) | - | - | 0.5 | - | - |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | PC | ABS - Aluminum | ABS | - | PC |

Code Description

Adjustable synchronized infrared beam photocells

| | |
|-----------------------|---|
| 806TF-0030 | DXR20CAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m. |
| 806TF-0040 | DXR20CAM - Pair of aluminum, surface mounted, synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m. |
| 806TF-0060 | DXR10BAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m. |
| 806TF-0120 | DXR20CTP - Pair of miniature synchronised infrared photocells adjustable 12 - 24 V AC - DC outdoor. Range: 20 m. |

Synchronized swiveling infrared beam photocell with BUS CXN technology

| | |
|-----------------------|--|
| 806TF-0110 | DXR20SAP - Pair of surface-mounted synchronized adjustable infra-red beam BUS CXN photocells. Range: 20 m. |
|-----------------------|--|

Accessories for: 806TF-0030 - 806TF-0060 - 806TF-0110 - 806TF-0120

| | |
|-------------------|--|
| 806TF-0050 | Aluminium alloy cover for DXR series photocells. |
|-------------------|--|

| | |
|------------------|---|
| 001 DIR-L | Natural-finish aluminum post H = 500 mm. |
|------------------|---|

| | |
|-------------------|--|
| 001 DIR-LN | Black anodized aluminum post. H = 500 mm. |
|-------------------|--|

| | |
|-------------------|--|
| 001 DIR-CG | Silver RAL9006, PVC post. H = 500 mm. |
|-------------------|--|

Accessories for: 806TF-0030 - 806TF-0040 - 806TF-0060 - 806TF-0110 - 806TF-0120

| | |
|------------------|-------------------------|
| 001 DIR-S | Recess-mounting casing. |
|------------------|-------------------------|

Accessories for: 001DIR-L

| | |
|------------------|--|
| 001 DIR-P | Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm |
|------------------|--|

Accessories for: 001DIR-LN

| | |
|-------------------|---|
| 001 DIR-PN | Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm |
|-------------------|---|

Accessories for: 001DIR-CG

| | |
|--------------------|--|
| 001 DIR-CGP | Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm |
|--------------------|--|



THE ADJUSTABLE BEAM PHOTOCELL

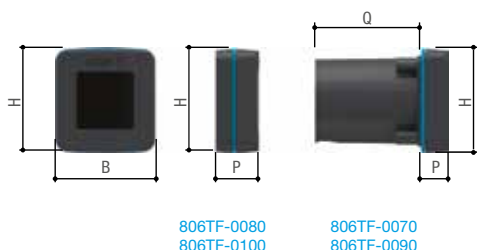
Thanks to its adjustable synchronized infrared beam, it is the ideal solution for applications where the installation space and the system structure prevent the perfect alignment of the standard photocells one in front of the other.

Synchronized infrared-beam safety devices



- Available in the traditional version (black edge) and in the CXN BUS version (blue edge).
- Control the gate's area of movement
- It can synchronize up to eight pairs of photocells, with no disturbances, plus no wiring required between the transmitter and the receiver.
- Adjustment of the infrared beam range from 10 to 30 meters.
- Filter function to prevent false detections due to bad weather or direct sunlight.
- Settable contact output so the photocell can double as a control device.
- Alignment function between transmitter and receiver.

Dimensions (mm)



Dimensions table (mm)

| Models | B (mm) | H (mm) | P (mm) | Q (mm) | P + Q (mm) |
|------------|--------|--------|--------|--------|------------|
| 806TF-0070 | 70 | 73 | 18 | 78 | 96 |
| 806TF-0080 | 70 | 73 | 30 | - | - |
| 806TF-0090 | 70 | 73 | 18 | 78 | 96 |
| 806TF-0100 | 70 | 73 | 30 | - | - |

Operational limits

| MODELS | 806TF-0070 | 806TF-0080 | 806TF-0090 | 806TF-0100 |
|--------------------------------|------------|------------|------------|------------|
| Max range of infrared beam (m) | 30 | 30 | 30 | 30 |


Technical characteristics

| MODELS | 806TF-0070 | 806TF-0080 | 806TF-0090 | 806TF-0100 |
|----------------------------|-----------------|-----------------|------------|------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 |
| Power supply (V) | 12 - 24 AC - DC | 12 - 24 AC - DC | CXN BUS | CXN BUS |
| Power (W) | - | - | 0.29 | 0.29 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | PA66 | PA66 | - | - |

● 12 - 24 V AC - DC


| Code | Description |
|------|-------------|
|------|-------------|


Adjustable synchronized infrared beam photocells

| | |
|--|---|
| 806TF-0070  | DLX30CIP - Pair of built-in synchronized adjustable infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 30 m. |
|--|---|

| | |
|--|--|
| 806TF-0080  | DLX30CEP - Pair of surface mounted synchronized adjustable infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 30 m. |
|--|--|

Synchronized infrared beam photocell with BUS CXN technology

| | |
|--|--|
| 806TF-0090  | DLX30SIP - Pair of built-in synchronized infra-red beam BUS CXN photocells. Range: 30 m. |
|--|--|

| | |
|--|---|
| 806TF-0100  | DLX30SEP - Pair of surface-mounted synchronized infra-red beam BUS CXN photocells. Range: 30 m. |
|--|---|

Accessories for: 806TF-0070 - 806TF-0090

| | |
|------------------|-------------------------|
| 009 DOC-S | Recess-mounting casing. |
|------------------|-------------------------|

| | |
|------------------|--|
| 001 DOC-L | Anodized aluminum with natural finish post. H = 500 mm. |
|------------------|--|

| | |
|-------------------|--|
| 001 DOC-LN | Black anodized aluminum post. H = 500 mm. |
|-------------------|--|

Accessories for: 806TF-0080 - 806TF-0100

| | |
|------------------|---|
| 001 DOC-R | Steel brace for flush surface mounting on the post. |
|------------------|---|

| | |
|--------------------|---|
| 001 DELTA-B | Natural-finish anodized aluminum post for bi-directional fitting. H = 500 mm |
|--------------------|---|

| | |
|---------------------|--|
| 001 DELTA-BN | Black anodized aluminum post for bi-directional fitting. H = 500 mm |
|---------------------|--|

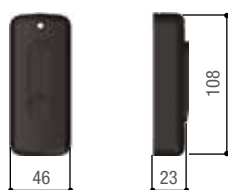




Safety devices for automated systems

- Control the gate's area of movement
- Synchronized infra-red beam to avoid any external signal interference.
- The double-height post, also in the new PVC version, for installing at points where heavy-duty vehicles transit through is available.
- High degree of protection against weathering.
- Available in 10, 20 and 30 meter versions.
- Also available in the version with aluminum alloy casing.

Dimensions (mm)



Operational limits

| MODELS | DIR10 | DIR20 | DIR30 |
|-------------------------|-------|-------|-------|
| Max. range of radio (m) | 10 | 20 | 30 |

Technical characteristics

| MODELS | DIR10 | DIR20 | DIR30 |
|----------------------------|---------------------|---------------------|---------------------|
| Protection rating (IP) | 54 | 54 | 54 |
| Power supply (V) | 12 - 24 AC - DC | 12 - 24 AC - DC | 12 - 24 AC - DC |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | ABS - Polycarbonate | ABS - Polycarbonate | ABS - Polycarbonate |

● 12 - 24 V AC - DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|---|--|
| Dir- series, synchronized infrared-beam photocells | |
|---|--|

| | |
|------------------|--|
| 001 DIR10 | Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m. |
|------------------|--|



| | |
|------------------|--|
| 001 DIR20 | Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 20 m. |
|------------------|--|



| | |
|------------------|--|
| 001 DIR30 | Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 30 m. |
|------------------|--|



| | |
|--|--|
| Accessories for: 001DIR10 - 001DIR20 - 001DIR30 | |
|--|--|

| | |
|-----------------|---|
| 001 DIRZ | Aluminum alloy, shock-proof protection. |
|-----------------|---|

| | |
|------------------|-------------------------|
| 001 DIR-S | Recess-mounting casing. |
|------------------|-------------------------|

| | |
|------------------|---|
| 001 DIR-L | Natural-finish aluminum post H = 500 mm. |
|------------------|---|

| | |
|-------------------|--|
| 001 DIR-LN | Black anodized aluminum post. H = 500 mm. |
|-------------------|--|

| | |
|-------------------|--|
| 001 DIR-CG | Silver RAL9006, PVC post. H = 500 mm. |
|-------------------|--|



| | |
|----------------------------------|--|
| Accessories for: 001DIR-L | |
|----------------------------------|--|

| | |
|------------------|--|
| 001 DIR-P | Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm |
|------------------|--|



| | |
|-----------------------------------|--|
| Accessories for: 001DIR-LN | |
|-----------------------------------|--|

| | |
|-------------------|---|
| 001 DIR-PN | Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm |
|-------------------|---|



| | |
|-----------------------------------|--|
| Accessories for: 001DIR-CG | |
|-----------------------------------|--|

| | |
|--------------------|--|
| 001 DIR-CGP | Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm |
|--------------------|--|



Slim flashing light for barriers and garage doors



- Slim and modern design that perfectly suits any setting.
- 24V AC/DC power supply.
- Integrated double antenna (433.92 MHz and 868.35 MHz).
- Perfect solution for applications on GARD LT and LS series automatic barriers or for wall installation.
- Traffic light signaling with green, white and red LEDs and possibility of use as a courtesy light.

Dimensions (mm)



Technical characteristics

| MODELS | 806LA-0060 |
|------------------------------|-------------|
| Protection rating (IP) | 54 |
| Power supply (V) | 24 AC/DC |
| Radio signal frequency (Mhz) | 433 and 868 |
| Power (W) | 3 |
| Operating temperature (°C) | -20 ÷ +55 |
| Material | PA6 - PMMA |

● 24 V AC - DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|----------------------|--|
| 24 V flashing lights | |
|----------------------|--|

| | |
|-------------------|--|
| 806LA-0060 | KLT1FDSW - Green, white and red LED flashing light with 24 V AC/ DC traffic light signaling. |
|-------------------|--|



| | |
|-------------|--|
| Accessories | |
|-------------|--|

| | |
|---------------------|------------------------|
| 001 TOP-RG58 | Antenna cable L = 5 m. |
|---------------------|------------------------|

**OPERATING MODES**

With advanced electronics, KLT features customization of light color and flashing to meet the needs of any user.

**DOUBLE FREQUENCY**

KLT features a built-in dual-frequency antenna and is therefore compatible with all CAME radio transmitters with 433MHz and 868 MHz frequency.



Elegant form and technological innovation

- Sleek design and high-quality materials for a flashing light that offers much more than simple light alerts.
- Unique model with universal power supply from 24 V AC - DC to 230 V AC.
- Available in White, Yellow and Orange.
- Integrated double antenna (433.92 MHz and 868.35 MHz).
- Wall-mounted bracket that solves every installation.
- Availability of 2 versions with CXN BUS technology, with and without built-in gateway, for light signaling management via AppSetup.

Dimensions (mm)








Technical characteristics

| MODELS | 806LA-0010 | 806LA-0020 | 806LA-0030 | 806LA-0050 | 806LA-0070 |
|------------------------------|---------------------|---------------------|---------------------|----------------------------|----------------------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 |
| Power supply (V) | 24 DC/AC - 230 AC | 24 DC/AC - 230 AC | 24 DC/AC - 230 AC | CXN BUS | CXN BUS |
| Radio signal frequency (Mhz) | 433 and 868 | 433 and 868 | 433 and 868 | 433 and 868 | 433 and 868 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | ABS – Polycarbonate | ABS – Polycarbonate | ABS – Polycarbonate | ABS - Polycarbonate - PMMA | ABS - Polycarbonate - PMMA |

● 120 - 230 V AC ● 24 V AC - DC

Code Description

| 24 V AC - DC to 230 V AC flashing lights | |
|--|--|
| 806LA-0010 | KRX1FXSO - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with orange dome. |
| 806LA-0020 | KRX1FXSW - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with white dome. |
| 806LA-0030 | KRX1FXSY - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with yellow dome. |
| Flashing light with BUS CXN technology | |
| 806LA-0050  | KRX1B1RW - RGB LED flashing light with white dome and BUS CXN technology. |
| Flashing light with BUS CXN CONNECT technology | |
| 806LA-0070   | KRX1B1CW - Connect RGB LED flashing light with white dome, CXN BUS technology and integrated gateway to connect the operator to the cloud via Wi-Fi or in local mode via Bluetooth (50 users). |
| Accessories | |
| 806LA-0040 | Wall-fastening base for KRX. |
| Accessories for: 806LA-0010 - 806LA-0020 - 806LA-0030 | |
| 001TOP-RG58 | Antenna cable L = 5 m. |
| Accessories for: 806LA-0050 | |
| 806SA-0140  | Gateway to connect the automation to the cloud via WiFi or locally via Bluetooth selector (50 users) |
| 806SA-0150  | Slave Module to connect the operator to the CAME Connect gateways. |
| Accessories for: 806LA-0050 - 806LA-0070 | |
| 001AF43S | 433,92 MHz plug-in radio frequency card. |
| 001AF868 | 868.35 MHz plug-in radio frequency card. |



CXN BUS CONNECT TECHNOLOGY

KRX CONNECT is the version that combines CXN BUS technology with wireless connectivity, making available 2 innovative functions in addition to the RGB LED system.

Thanks to the 806SA-0140 gateway that can be configured in Wi-Fi or Bluetooth® mode, the KRX CONNECT is much more than a flashing light.

COMPATIBLE WITH AMAZON ALEXA

Thanks to the Wi-Fi gateway, KRX CONNECT enables users to control the automations via Amazon Alexa voice commands, to open and close the gate, stop it or know its status.

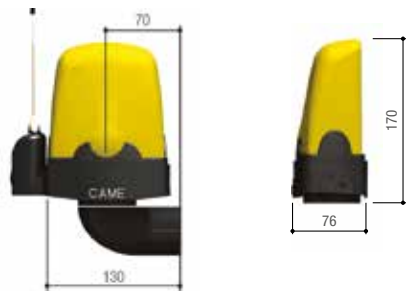




The low-consuming, movement alerter

- Sleek design and high-quality materials for a flashing light that offers much more than simple light alerts.
- Long life and low consumption.
- Energy efficiency is linked to lower consumption.
- Wall mounting bracket that solves any installation.

Dimensions (mm)



Technical characteristics

| MODELS | KLED | KLED24 |
|------------------------|-----------------------------|-----------------------|
| Protection rating (IP) | 54 | 54 |
| Power supply (V) | 120 - 230 AC 50/60 Hz | 24 V AC - DC 50/60 Hz |
| Power (W) | 2 (230 V AC) - 1 (120 V AC) | 2 |
| Material | ABS – Polycarbonate | ABS – Polycarbonate |

● 120 - 230 V AC ● 24 V AC - DC

| Code | Description |
|------|-------------|
|------|-------------|

| | |
|-------------------------------|--|
| 120 - 230 V AC Flashing light | |
|-------------------------------|--|

| | |
|-----------------|-------------------------------|
| 001 KLED | LED flashing light signaller. |
|-----------------|-------------------------------|



| | |
|-----------------------------|--|
| 24 V AC – DC Flashing light | |
|-----------------------------|--|

| | |
|-------------------|-------------------------------|
| 001 KLED24 | LED flashing light signaller. |
|-------------------|-------------------------------|



| | |
|--------------------------------------|--|
| Accessories for: 001KLED - 001KLED24 | |
|--------------------------------------|--|

| | |
|-------------------|----------------------|
| 001 KIAROS | Wall-fastening base. |
|-------------------|----------------------|



| | |
|--------------------|--|
| 433.92 Mhz antenna | |
|--------------------|--|

| | |
|----------------------|------------------------------|
| 001 TOP-A433N | Antenna tuned at 433.92 MHz. |
|----------------------|------------------------------|



| | |
|--------------------|--|
| 868.35 Mhz antenna | |
|--------------------|--|

| | |
|----------------------|------------------------------|
| 001 TOP-A862N | Antenna tuned at 868.35 MHz. |
|----------------------|------------------------------|



| | |
|--|--|
| Accessories for: 001TOP-A433N - 001TOP-A862N | |
|--|--|

| | |
|---------------------|------------------------|
| 001 TOP-RG58 | Antenna cable L = 5 m. |
|---------------------|------------------------|

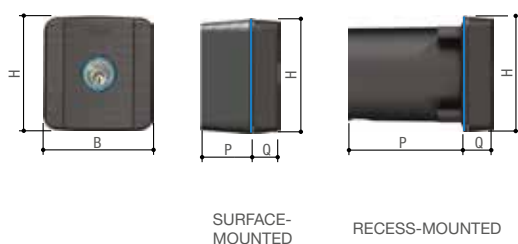




The control for all operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- RAL7024 gray cover.
- Available in the key-operated version with cylinder lock or with European DIN cylinder (even for 230 V applications).
- Versions with BUS CXN technology are available, enabling green and red light feedback.

Dimensions (mm)



SURFACE-MOUNTED

RECESS-MOUNTED

Dimensions table (mm)

| Models | B (mm) | H (mm) | P (mm) | Q (mm) | P + Q (mm) |
|------------|--------|--------|--------|--------|------------|
| 806SL-0050 | 70.5 | 73.5 | 47.5 | 16.5 | 64 |
| 806SL-0060 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |
| 806SL-0070 | 70.5 | 73.5 | 21 | 16.5 | 50 |
| 806SL-0080 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |
| 806SL-0010 | 70.5 | 73.5 | 21 | 16.5 | 50 |
| 806SL-0020 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |
| 806SL-0030 | 70.5 | 73.5 | 21 | 16.5 | 37.5 |
| 806SL-0040 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |
| 806SL-0090 | 70.5 | 73.5 | 47.5 | 16.5 | 64 |
| 806SL-0100 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |
| 806SL-0051 | 70.5 | 73.5 | 47.5 | 16.5 | 64 |
| 806SL-0061 | 70.5 | 73.5 | 76 | 16.5 | 92.5 |

Technical characteristics

| MODELS | 806SL-0050 | 806SL-0060 | 806SL-0070 | 806SL-0080 | 806SL-0010 | 806SL-0020 |
|--|------------|------------|------------|------------|-----------------|-----------------|
| Protection rating (IP) | 44 | 44 | 44 | 44 | 44 | 44 |
| Power supply (V) | - | - | CXN BUS | CXN BUS | 12 - 24 AC - DC | 12 - 24 AC - DC |
| Max. rating of 24 V (A) relay contacts | 3 | 3 | - | - | - | - |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| MODELS | 806SL-0030 | 806SL-0040 | 806SL-0090 | 806SL-0100 | 806SL-0051 | 806SL-0061 |
| Protection rating (IP) | 44 | 44 | 44 | 44 | 44 | 44 |
| Power supply (V) | CXN BUS | CXN BUS | - | - | - | - |
| Max. rating of 24 V (A) relay contacts | - | - | - | - | 3 | 3 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |

Code Description

Key-switch selectors with DIN lock

| | |
|-----------------------|---|
| 806SL-0050 | SELD1FDG - surface-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color. |
| 806SL-0060 | SELD2FDG - Recess-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color. |
| 8K06SL-004 | SELD1K01 - Kit consisting of two surface-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color. |
| 8K06SL-005 | SELD2K01 - Kit consisting of two recess-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color. |



Key-switch selectors with DIN lock and BUS CXN technology

| | |
|-----------------------|--|
| 806SL-0070 | SELD1BDG - BUS CXN surface-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024, gray color. |
| 806SL-0080 | SELD2BDG - BUS CXN recess-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024, gray color. |



Key-switch selectors with cylinder locks

| | |
|-----------------------|---|
| 806SL-0010 | SELC1FDG - Surface-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color. |
| 806SL-0020 | SELC2FDG - Recess-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color. |



Key-switch selectors with cylinder lock and BUS CXN technology

| | |
|-----------------------|--|
| 806SL-0030 | SELC1BDG - BUS CXN surface-mounted key-switch selector with blue backlight and lock cylinder. RAL7024, gray color. |
| 806SL-0040 | SELC2BDG - Recess-mounted key-switch selector with blue backlight and lock cylinder. RAL7024, gray color. |



Key-switch selectors with DIN lock for 230 V AC controls

| | |
|-------------------|--|
| 806SL-0090 | SELD1FAG - Surface-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color. |
| 806SL-0100 | SELD2FAG - Recess-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color. |



Accessories for recess mounted selector switches

| | |
|-----------------|---|
| 001 CSS | Post made of natural-finish, anodized aluminum. |
| 001 CSSN | Post made of black, anodized aluminum. |



Key-switch selectors without DIN lock.

| | |
|-----------------------|---|
| 806SL-0051 | SELD1FDS - Surface-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color. |
| 806SL-0061 | SELD2FDS - Recess-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color. |



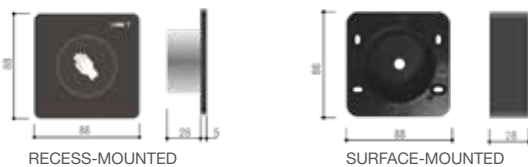
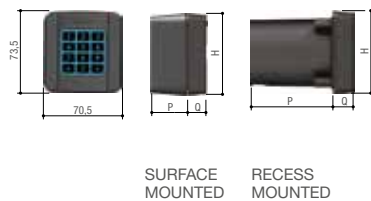
NOTES: 806SL-0051 - 806SL-0061
For DIN lock cylinders, see spare part 119R36887 (from code 002 to code 050).



The digital control for all automated operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- Green and red feedback light on CXN BUS versions.
- RAL7024 gray cover.
- 12-key keypad for extra security.
- Transponder selector for Mifare/Manchester cards.
- Bluetooth selector with CAME AUTOMATIONBT APP free for IOS and Android.
- Bluetooth plug-in selector version also available.

Dimensions (mm)



Dimensions table (mm)

| Models | B (mm) | H (mm) | P (mm) | Q (mm) | P + Q (mm) |
|------------|--------|--------|--------|--------|------------|
| 806SL-0170 | 70,5 | 73,5 | 33,5 | 16,5 | 50 |
| 806SL-0180 | 70,5 | 73,5 | 33,5 | 16,5 | 50 |
| 806SL-0340 | 70,5 | 73,5 | 76 | 16,5 | 37,5 |
| 806SL-0350 | 70,5 | 73,5 | 76 | 16,5 | 37,5 |
| 806SL-0360 | 70,5 | 73,5 | 76 | 16,5 | 37,5 |
| 806SL-0300 | 70,5 | 73,5 | 21 | 16,5 | 37,5 |
| 806SL-0310 | 70,5 | 73,5 | 76 | 16,5 | 92,5 |
| 806SL-0280 | 70,5 | 73,5 | 21 | 16,5 | 37,5 |
| 806SL-0290 | 70,5 | 73,5 | 76 | 16,5 | 92,5 |
| 806SL-0260 | 88 | 88 | 28 | 5 | 33 |
| 806SL-0270 | 88 | 88 | - | 5 | 5 |

Technical characteristics

| MODELS | 806SL-0170 | 806SL-0180 | 806SL-0340 | 806SL-0350 | 806SL-0360 | 806SL-0260 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V) | - | - | 12 - 24 AC - DC | 12 - 24 AC - DC | 12 - 24 AC - DC | 12 - 24 AC - DC |
| Radio signal frequency (Mhz) | - | - | - | - | - | - |
| Power (W) | 0,144 | 0,144 | 0.75 | 0.75 | 0.75 | 0,7 |
| Max. rating of 24 V (A) relay contacts | - | - | - | - | - | 1 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20° ÷ +55° |
| MODELS | 806SL-0300 | 806SL-0310 | 806SL-0320 | 806SL-0330 | 806SL-0280 | 806SL-0290 |
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V) | 12 - 24 AC - DC | 12 - 24 AC - DC | 15 DC | 15 DC | 12 - 24 AC - DC | 12 - 24 AC - DC |
| Radio signal frequency (Mhz) | - | - | 13.56 | 13.56 | - | - |
| Power (W) | 0.35 | 0.35 | 0.97 | 0.97 | 0.35 | 0.35 |
| Max. rating of 24 V (A) relay contacts | - | - | - | - | - | - |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |

● 12 - 24 V AC - DC

Code Description

433.92 MHz keypad radio selectors

806SL-0170 SELT1W4G - 433.92 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.

8K06SL-008 SELT1K02 - Kit composed of a dual-channel receiver board (001RE432M) and 433 MHz radio keyboard selector (806SL-0170).

868.35 MHz keypad radio selectors

806SL-0180 SELT1W8G - 868.35 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.

Keypad selectors with BUS CXN technology

806SL-0280 SELT1BDG - Surface-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

806SL-0290 SELT2BDG - Recess-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

8K06SL-006 SELT1K01 - Kit composed of interface board S0002P and external BUS keypad.

Accessories for wired keypad selectors

001R800 Control board for decoding and access-control management via keypad selectors.

Transponder sensors with BUS CXN technology

806SL-0300 SELR1BDG - Surface-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.

806SL-0310 SELR2BDG - Recess-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.

8K06SL-007 SELR1K01 - Kit consisting of interface board S0002P, surface-mounted Bus Transponder and 2 RFID boards (Manchester - 125 KHz).

Accessories for Manchester transponder selectors

001R700 Control board for decoding and access-control management via transponder selector.

009PCT Keyfob transponder.

806XG-0090 Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.

Mifare transponder sensors with BUS CXN technology

806SL-0320 SELM1BDG - Surface-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.

806SL-0330 SELM2BDG - Recess-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.

8K06SL-009 SELM1K01 - Kit composed of S0002P dual-channel interface card (806SL-0370), external MIFARE BUS transponder selector (806SL-0320) and 2 MIFARE cards (806XG-0100).

Accessories for Mifare transponder selectors

001R700 Control board for decoding and access-control management via transponder selector.

806XG-0100 ISO MIFARE Classic 1 K - 13.56 MHz card.



THE COMPLETE RANGE

Code Description

Bluetooth digital selectors with BUS CXN technology

806SL-0340 SELB1NDG1 - Surface mounted BUS bluetooth selector for 15 users with blue backlight for use even on automations without BUS technology.



806SL-0350 SELB1NDG2 - Surface mounted BUS bluetooth selector for 50 users with blue backlight for use even on automations without BUS technology.



806SL-0360 SELB1NDG3 - Surface mounted BUS bluetooth selector for 250 users with blue backlight for use even on automations without BUS technology.



External 12 - 24 V AC - DC 433.92 MHz radio receivers for: 806SL-0170

001RE432M Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.



External 12 - 24 V AC - DC 868.35 MHz radio receivers for: 806SL-0180

001RE862M Two-channel 868.35 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D and TTS coding.



12 - 24 V AC - DC external modules for: radio-based transponders, keypads and selectors

806RV-0010 RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



120 - 230 V AC external modules for: transponder, keypad and radio-based selectors

806RV-0020 RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



433.92 MHz plug-in receivers for: 806SL-0170

001AF43S 433,92 MHz plug-in radio frequency card.



001AF43SR 433.92 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters.



Snap-in 868.35 MHz receivers for: 806SL-0180

001AF868 868.35 MHz plug-in radio frequency card.



001AF86SR 868.35 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters.



12 - 24 V AC - DC microwave sensor

806SL-0260 SELS2SDG - Recess-mounted 12 - 24 V AC - DC touch sensor, with settable backlight.



Accessories for: 806SL-0260

806SL-0270 Surface-mounted casing.



Bluetooth digital plug-in selectors

806SA-0140 Gateway to connect the automation to the cloud via WiFi or locally via Bluetooth selector (50 users)



CXN BUS interface for automations

806XG-0080 BUS expansion module with 2 inputs and 2 outputs. Inputs can be configured in NO, NC or resistive mode (8K2), a warning light output and a relay output.



Accessories for keypad and transponders selectors

806SL-0370 S0002P - Surface-mounted IP54 12 - 24 V AC - DC dual-channel control card for keypads and transponders.



24 V AC - DC magnetic sensors

009**SMA** Single.-channel magnetic sensor for detecting metal masses.



009**SMA2** Two-channel magnetic sensor for detecting metal masses.



230 V AC magnetic sensors

009**SMA220** Single.-channel magnetic sensor for detecting metal masses.



868.35 MHz antenna for: 001KLED - 001KLED24 - 806SL-0180

001**TOP-A862N** Antenna tuned at 868.35 MHz.



Antenna at 433.92 MHz for: 001KLED - 001KLED24 - 806SL-0170

001**TOP-A433N** Antenna tuned at 433.92 MHz.



Accessories

001**TOP-RG58** Antenna cable L = 5 m.



DOWNLOAD THE CAME AUTOMATIONBT APP

AutomationBT is CAME's new app for Bluetooth selectors that lets you control your automated operators via smartphone. Activate the location service, receive alerts and open the gate. The Keyless function lets you even do it automatically.

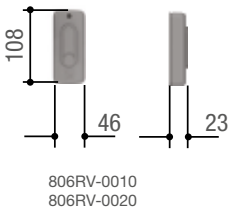
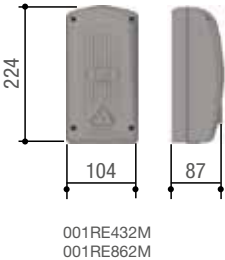




Modular radio receivers

- Management of up to 3000 users (RBE),
- Management of up to 50 users (RE).
- Available in the versions powered by 12 - 24 V AC - DC or 120 - 230 V AC.
- Manages all codes: TOP - TAM - TWIN - ROLLING CODE by using the AF43S or the AF868 boards, depending on the requested frequency.
- Possibility to set all CAME codes or only the Rolling Code or only the Key Code.
- Three different uses depending on the plug-in card used:
 - 433.92 MHz or 868.35 MHz receiver
 - Management of two transponder readers with plug-in card 001R700
 - Management of five keypads with the plug-in card

Dimensions (mm)




Technical characteristics

| MODELS | RE432M | RE862M | 806RV-0010 | 806RV-0020 |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Protection rating (IP) | 65 | 65 | 65 | 65 |
| Power supply (V) | 12 - 24 AC - DC | 12 - 24 AC - DC | 12 - 24 AC - DC | 120 - 230 V AC |
| Radio signal frequency (Mhz) | 433,92 | 868,35 | 433,92 - 868,35 | 433,92 - 868,35 |
| Operating temperature (°C) | -20° ÷ 55°C | -20° ÷ 55°C | -20° ÷ 55°C | -20° ÷ 55°C |

● 12 - 24 V AC - DC


Code Description

433.92 MHz radio receivers

001RE432M  Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.




868.35 MHz radio receivers

001RE862M  Two-channel 868.35 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D and TTS coding.




12 - 24 V AC - DC external modules

806RV-0010  RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



120 - 230 V AC external modules

806RV-0020  RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding.



DOWNLOAD THE CONNECT SETUP APP

The app dedicated to CAME installers that simplifies system installation and maintenance operations. The new CONNECT SetUp App is used to configure the operators, make diagnoses, manage remote controls, read the technical documentation, thanks to a simple and intuitive interface, directly from a smartphone or tablet. Available for PC, iOS and Android.




THE COMPLETE RANGE

Code Description

433.92 MHz radio accessories for: 806RV-0010 - 806RV-0020

001**TOP-A433N** Antenna tuned at 433.92 MHz.


001**AF43S** 433,92 MHz plug-in radio frequency card.

001**806SL-0170**  SELT1W4G - 433.92 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.

868.35 MHz radio accessories for: 806RV-0010 - 806RV-0020

001**TOP-A862N** Antenna tuned at 868.35 MHz.

001**AF868** 868.35 MHz plug-in radio frequency card.


001**806SL-0180**  SELT1W8G - 868.35 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.


Accessories for antenna

001**TOP-RG58** Antenna cable L = 5 m.

Accessories for keypad operation


001**R800** Control board for decoding and access-control management via keypad selectors.


001**806SL-0280**  SELT1BDG - Surface-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

001**806SL-0290**  SELT2BDG - Recess-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

Accessories for operation with Manchester transponders

001**R700** Control board for decoding and access-control management via transponder selector.

001**806SL-0300**  SELR1BDG - Surface-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.



001**806SL-0310**  SELR2BDG - Recess-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.



009**PCT** Keyfob transponder.

001**806XG-0090** Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.

Accessories for operation with MIFARE transponders

001**R700** Control board for decoding and access-control management via transponder selector.

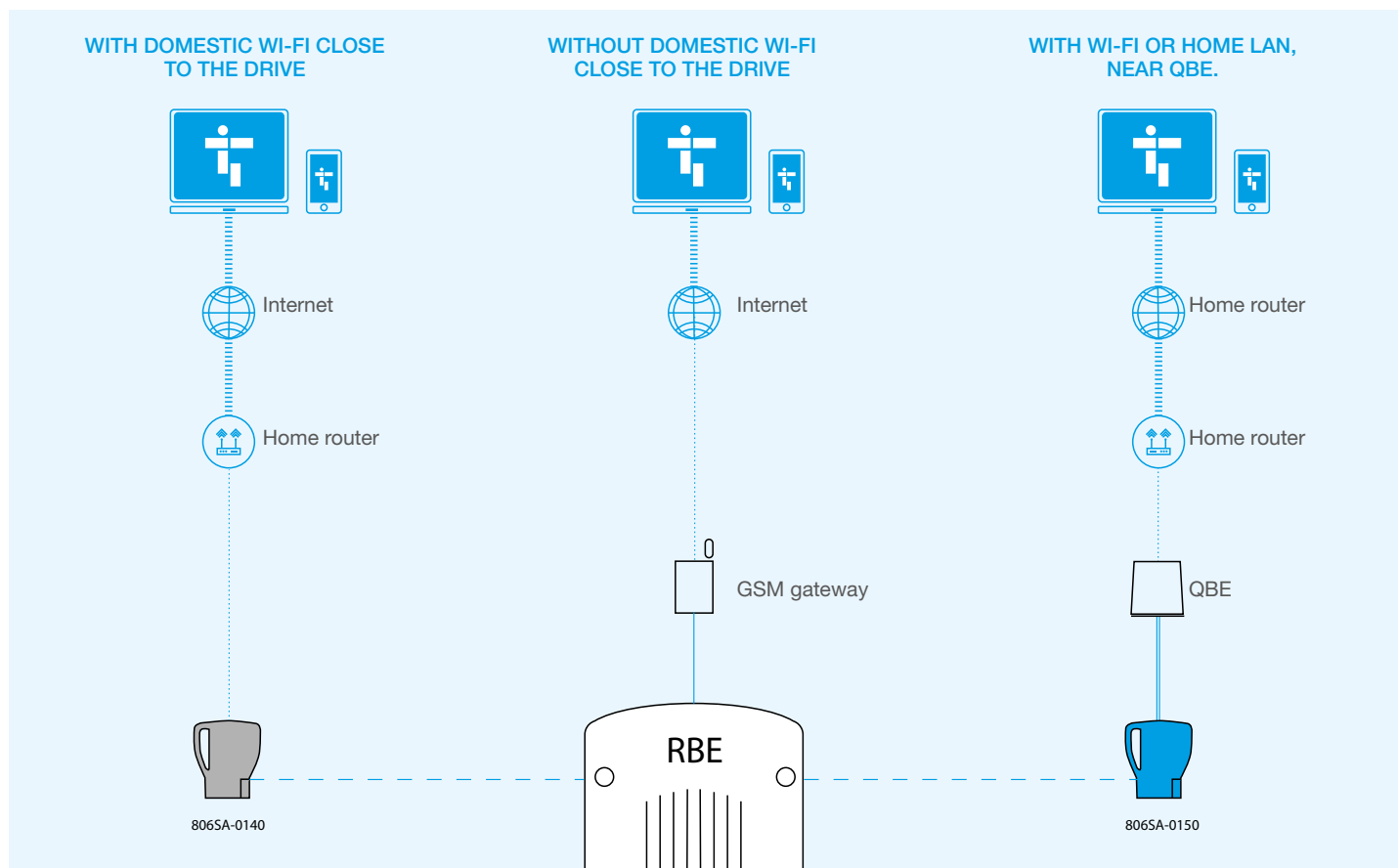
001**806SL-0320**   SELM1BDG - Surface-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.

001**806SL-0330**   SELM2BDG - Recess-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.

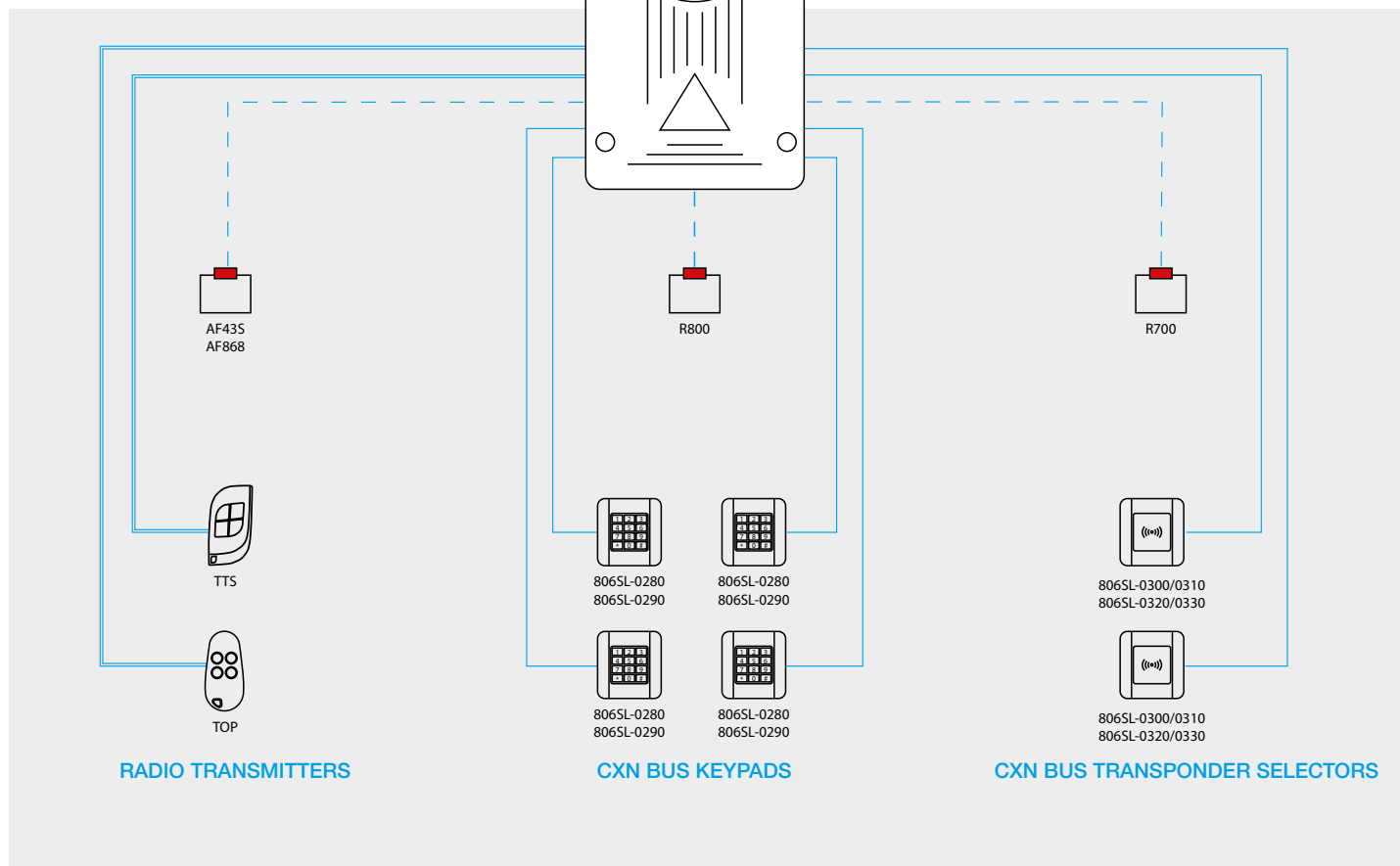
001**806XG-0100** ISO MIFARE Classic 1 K - 13.56 MHz card.



REMOTE CONTROL



ACCESSORIES CONNECTION



DATA NETWORK
|||||

WI-FI
.....

PLUG-IN

RADIO FREQUENCY
=====

WIRED
=====

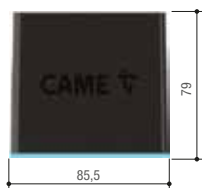
Notes:
Remote controls, keypads or transponder selectors can only be connected for one type of accessory.



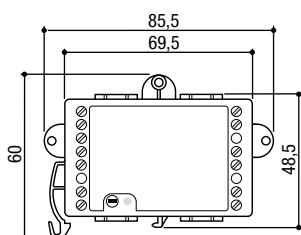
Technology to control automated operators from any remote location

- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.
- Freedom of installation by choosing the appropriate connection type (Wi-Fi-Ethernet-GSM).
- Possibility to extend the system using slave modules (806SA-0040 - 806SA-0150).
- Thanks to the CAME protocol it is possible to have total control of the operator (commands, automation status, programming).
- Possibility to program scenarios and timers, easily and intuitively.
- Thanks to two output relays and two digital inputs, integrated in the unit, the operator opening or closing can be controlled without the CAME protocol (806SA-0010 - 806SA-0020).
- The basic GSM version without built-in radio-frequency module is also available (806SA-0030).
- CAME AUTOMATION APP and CAME SETUP can be freely downloaded from Google Play or App Store.

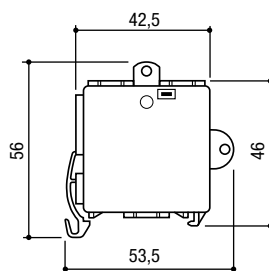
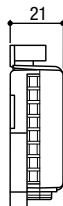
Dimensions (mm)



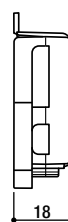
842EC-0020
806SA-0130



806SA-0010
806SA-0020



806SA-0040










Technical characteristics

| MODELS | 842EC-0020 | 806SA-0130 | 806SA-0010 | 806SA-0020 | 806SA-0040 |
|------------------------------|------------------|------------------|-----------------|-----------------|-----------------|
| Protection rating (IP) | 30 | 30 | - | - | - |
| Power supply (V) | 5 DC | 5 DC | 12 - 30 AC - DC | 12 - 30 AC - DC | 12 - 30 AC - DC |
| Radio signal frequency (Mhz) | 868,65 - 869,50 | 869,50 | - | - | 869,50 |
| Data connection technologies | Wi-Fi - Ethernet | Wi-Fi - Ethernet | GSM | GSM | - |
| Power (W) | - | - | 3 | 3 | - |
| Operating temperature (°C) | +5 ÷ +40 | +5 ÷ +40 | -20 ÷ +70 | -20 ÷ +70 | -20 ÷ +70 |

● 230 V AC ● 24 V DC

Code Description

| Ethernet and WiFi Gateways | |
|--|---|
| 842EC-0020  | QBEDFSB1 - Radio-frequency and WiFi Smart Home Gateway, with one App to manage all connected devices, remotely or on site. |
| 806SA-0130  | QBEMFSB2 - Ethernet-WiFi Gateway for controlling, via the CAME Connect system, up to five slave modules over the radio-frequency connection. |
| Wi-Fi gateways | |
| 806SA-0140  | Gateway to connect the automation to the cloud via WiFi or locally via Bluetooth selector (50 users) |
| GSM Gateways | |
| 806SA-0010  | RGSM001 - GSM Gateway module with built-in radio, for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included). For controlling up to five slave modules. |
| 806SA-0020  | RGSM001S - Stand-alone GSM Gateway module for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included). |
| Accessories for: 806SA-0010 - 806SA-0030 - 806SA-0130 - 842EC-0020 | |
| 806SA-0150  | Slave Module to connect the operator to the CAME Connect gateways. |
| 806SA-0040  | RSLV001 - Slave module for operators (002RSE module included). |
| Accessories for GSM Gateway | |
| 806SA-0050 | Two-metre long antenna cable |



DOWNLOAD THE CAME AUTOMATION APP

The Cloud connection changes the way we experience our automated operators, by ensuring comfort and safety. We have put all our CAME Connect automated products online. In this way they can be controlled from any smartphone or tablet.





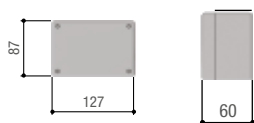
Sensitive edges certified for total protection

- An exclusive CAME patent for protection against any mechanical risk.
- The solution for high levels of safety and quality of your automated system.
- Mechanical or resistive contact (8K2Ω).
- Specific for using with RIO System 2.0 (requires items 806SS-0010 - 806SS-0040 - 806SS-0050), or DXR photocells (item 806TF-0060).
- A product that complies with standard EN13849-1.
- Available in both light gray and black versions.

Dimensions (mm)



MAXIMUM LENGTH 6 m



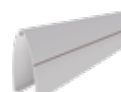
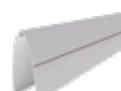
001DFI

Technical characteristics

| MODELS | DFWN1500 / DFWN1500N | | DFWN1700 / DFWN1700N | | DFWN2000 / DFWN2000N | | DFWN2500 / DFWN2500N | |
|---|----------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Maximum speed measured at the end of the leaf (m/min) | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A | TPE 65 SHORT A |

Code Description

| Sensitive safety-edges | |
|--|---|
| 001DFWN1500 | Sensitive safety edge made of rubber, with mechanical contact. L = 1500 mm. Colour light grey RAL 7040. |
| 001DFWN1700 | Sensitive safety edge made of rubber, with mechanical contact. L = 1700 mm. Colour light grey RAL 7040. |
| 001DFWN2000 | Sensitive safety edge made of rubber, with mechanical contact. L = 2000 mm. Colour light grey RAL 7040. |
| 001DFWN2500 | Sensitive safety edge made of rubber, with mechanical contact. L = 2500 mm. Colour light grey RAL 7040. |
| 001DFWN1500N | Sensitive safety edge made of rubber, with mechanical contact. L = 1500 mm. Colour black RAL 9005. |
| 001DFWN1700N | Sensitive safety edge made of rubber, with mechanical contact. L = 1700 mm. Colour black RAL 9005. |
| 001DFWN2000N | Sensitive safety edge made of rubber, with mechanical contact. L = 2000 mm. Colour black RAL 9005. |
| 001DFWN2500N | Sensitive safety edge made of rubber, with mechanical contact. L = 2500 mm. Colour black RAL 9005. |
| Components for assembling the sensitive safety-edges of up to 4 m. (max.). | |
| 009RV117H | Aluminum profile L = 2,000 mm. |
| 009RV118I | Rubber profile L = 4,000 mm. Color light gray RAL 7040. |
| 001TMFW | Package of caps and mechanisms. Color light gray RAL 7040. |
| 009RV118N | Rubber profile L = 4,000 mm. Color black RAL 9005 |
| 001TMFWN | Package of caps and mechanisms. Color black RAL 9005 |
| Components for assembling sensitive safety-edges of up to 6 m (max.) | |
| 009RV117H | Aluminum profile L = 2,000 mm. |
| 009RV118A | Rubber profile L = 6,000 mm. Color light gray RAL 7040. |
| 001TMF6W | Package of caps and mechanisms. Color light gray RAL 7040. |
| 009RV118M | Rubber profile L = 6,000 mm. Color black RAL 9005 |
| 001TMF6WN | Package of caps and mechanisms. Color black RAL 9005 |
| Cordless control for resistive edges | |
| 806TF-0060 | DXR10BAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m. |
| Components for: sensitive safety-edges | |
| 806SS-0060 | ECN3F242 – Device for wired control in cat.3 for 8.2 KOhm resistive safety edges. |

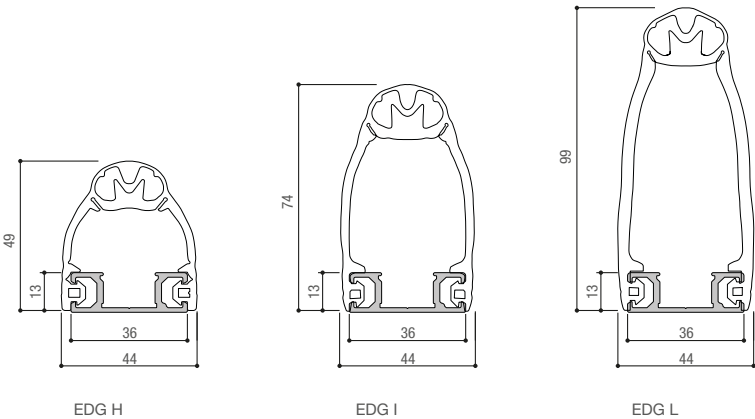




Resistive sensitive safety edges for total protection

- The right solutions for a high level of safety and quality of your automation system.
- Choose a ready-to-use sensitive safety edge in 4 different lengths or compose your custom profile.
- Each sensitive edge (model H-I-L) can be shortened using the dedicated scissors (806ED-0171).
- All sensitive edges are of the resistive type (8K2).
- Specific for using with RIO System 2.0 (requires items: 806SS-0010 - 806SS-0040 - 806SS-0050).
- The EDG series wired sensitive edge control device (806SS-0060) is available, certified in category 3 and corresponding to Performance Level E, according to EN ISO 13849-1.

Dimensions (mm)











Technical characteristics

| MODELS | EDG H / I / L |
|----------------------------|---------------|
| Protection rating (IP) | 67 |
| Operating temperature (°C) | -20 ÷ +60 |
| Material | EPDM |
| Cable length (m) | 5 |
| Resistor (Ω) | 8.2 (0.6 W) |

See the SENSITIVE EDGES catalog for full details.

Code Description

| EDG H - Cuttable resistive safety edges with Click-Fit base - H = 49 mm | | |
|---|---|---|
| 806ED-0130 | EDGH15R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 49 mm. L = 1500 mm. |  |
| 806ED-0131 | EDGH17R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 49 mm. L = 1700 mm. | |
| 806ED-0132 | EDGH20R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 49 mm. L = 2000 mm. | |
| 806ED-0133 | EDGH25R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 49 mm. L = 2500 mm. | |
| EDG I - Cuttable resistive safety edges with Click-Fit base - H = 74 mm | | |
| 806ED-0140 | EDGI15R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 74 mm. L = 1500 mm. |  |
| 806ED-0141 | EDGI17R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 74 mm. L = 1700 mm. | |
| 806ED-0142 | EDGI20R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 74 mm. L = 2000 mm. | |
| 806ED-0143 | EDGI25R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 74 mm. L = 2500 mm. | |
| EDG L - Cuttable resistive safety edges with Click-Fit base - H = 99 mm | | |
| 806ED-0150 | EDGL15R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 99 mm. L = 1500 mm. |  |
| 806ED-0151 | EDGL17R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 99 mm. L = 1700 mm. | |
| 806ED-0152 | EDGL20R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 99 mm. L = 2000 mm. | |
| 806ED-0153 | EDGL25R1 - Resistive safety sensitive edge, rubber with profile dimensions 44 mm x 99 mm. L = 2500 mm. | |
| Accessories for resistive sensitive edges | | |
| 806SS-0060 | ECN3F242 – Device for wired control in cat.3 for 8.2 KOhm resistive safety edges. |  |
|  | | |
| Cordless control for resistive edges | | |
| 806TF-0060 | DXR10BAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m. |  |
|   | | |

THE COMPLETE RANGE

Code Description

| Components for installing the sensitive safety-edges | |
|--|--|
| 806ED-0160 | Rubber profile with dimensions 44 mm x 49 mm. L = 25 m. |
| 806ED-0161 | Rubber profile with dimensions 44 mm x 74 mm. L = 25 m. |
| 806ED-0162 | Rubber profile with dimensions 44 mm x 99 mm. L = 25 m. |
| 806ED-0163 | Aluminum profile (10 pcs). L = 2 m. |
| 806ED-0164 | Contact terminals (20 pcs). |
| 806ED-0165 | 8k2 Ohm resistive contact terminals (10 pcs). |
| 806ED-0166 | Caps for profile size 44 mm x 49 mm (20 pcs). |
| 806ED-0167 | Caps for profile size 44 mm x 74 mm (20 pcs). |
| 806ED-0168 | Caps for profile size 44 mm x 99 mm (20 pcs). |
| 806ED-0169 | Connection cable L= 2 m (10 pz). |
| 806ED-0170 | Serial connection cable L= 2 m (10 pz). |
| 806ED-0171 | Scissors for rubber profiles. |



Blank lined area for writing.

RIO System 2.0

Wireless security system



24 V

RIO SYSTEM 2.0

WIRELESS



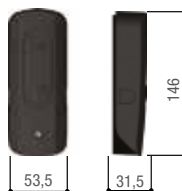
Total safety today is also cordless

- Save on fitting times compared to traditional installations.
- No digging or masonry work required.
- No cables to lay.
- Elegant, low-key design.
- Compatible with any control panel.
- Total safety in compliance with European standards.
- Immediately brings your systems up to code, even if they are non compliant.
- Reduced consumption.
- Malfunction and low-battery alerts.

Dimensions (mm)



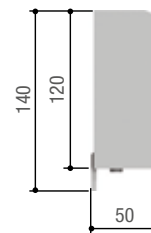
806SS-0030



806SS-0010
806SS-0020



806SS-0050



Operational limits

| MODELS | 806SS-0010 | 806SS-0020 | 806SS-0030 | 806SS-0050 | 806SS-0040 |
|--------------------------------|--------------|------------|------------|------------|------------|
| Max. range of radio (m) | 30 | 30 | 30 | 30 | 30 |
| Max range of infrared beam (m) | 10 (TX - RX) | - | - | - | - |

Technical characteristics

| MODELS | 806SS-0010 | 806SS-0020 | 806SS-0030 | 806SS-0050 | 806SS-0040 |
|------------------------------|---------------------|---------------------|---------------------|---------------------|------------|
| Protection rating (IP) | 54 | 54 | 54 | 55 | - |
| Power supply (V) | 3 | 3 | 3 | 24 AC - DC | 5 |
| Radio signal frequency (Mhz) | 868,95 | 868,95 | 868,95 | 868,95 | 868,95 |
| Battery type | 2 CR123A Lithium | 1 CR123A Lithium | 2 CR123A Lithium | - | - |
| Battery capacity (mAh) | 1700 | 1700 | 1700 | - | - |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Material | ABS - Polycarbonate | ABS - Polycarbonate | ABS - Polycarbonate | ABS - Polycarbonate | - |

● 24 V DC

Code Description

Wireless, infrared beam photocells.

806SS-0010 RIOPH8WS - Pair of wireless, infrared-beam photocells. Infrared range: 10 (m)



Wireless modules

806SS-0020 RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.



Wireless flashing lights

806SS-0030 RIOLX8WS - Wireless flashing light



Surface-mounted wireless control modules

806SS-0050 RIOCT8WS - External radio-control module for managing wireless accessories.



Wireless plug-in control modules for operators set up for RIO System 2.0 technology

806SS-0040 RIOCN8WS - Snap-in, radio-based control module for managing wireless accessories.



Accessories for: 806SS-0010

001**DB-L** Anodized aluminum with natural finish post. H = 500 mm.

001**DB-LN** Black anodized aluminum post. H = 500 mm.

001**DB-CG** Silver RAL9006, PVC post. H = 500 mm.



Accessories for: 806SS-0030

001**KIAROS** Wall-fastening base.

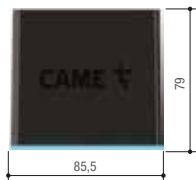




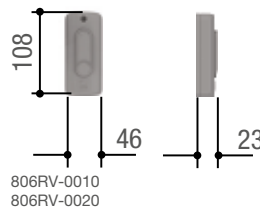
The perfect solution for temporary access management.

- Developed with CONNECT technology for remote management of temporary access via gateway
- Benefits to the system operator:
 - > Check IN and Check OUT management
 - > Automated system for access via smartphone
 - > Keypad code management via cloud for opening doors in common areas or for unconnected guests
 - > Scheduling
 - > Customizable invitation mail with logo and facility information
 - > Customizable confirmation in various languages
- Benefits for visitors or guests:
 - > No registration process required
 - > No app to install, just web browser
 - > Unlimited access at any time
 - > Secure management of personal data
- Extension of access management to CAME automations.
- Freedom of installation by choosing the appropriate connection type (Wi-Fi-Ethernet-GSM).

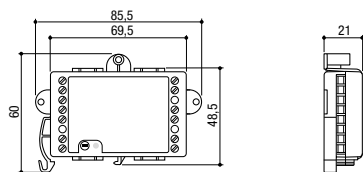
Dimensions (mm)



806SA-0180



806RV-0010
806RV-0020



806SA-0170



806SA-0150



806SA-0200



Technical characteristics

| MODELS | 806SA-0180 | 806RV-0020 | 806SL-0280 |
|------------------------------|------------|-----------------|-----------------|
| Protection rating (IP) | 30 | 65 | 54 |
| Power supply (V) | 5 DC | 120 - 230 V AC | 12 - 24 AC - DC |
| Radio signal frequency (Mhz) | 869,50 | 433,92 - 868,35 | - |
| Power (W) | - | - | 0.35 |
| Operating temperature (°C) | +5 ÷ +40 | -20° ÷ 55°C | -20 ÷ +55 |

Code Description

| Access control kit | |
|------------------------------------|---|
| 8K06RV-005 | Quick&Easy Access - Temporary access management kit consisting of gateway 806SA-0180, RBE 806RV-0020, a wired keypad 806SL-0280, a keypad encoder board 001R800 and a slave module 806SA-0150. |
| 8K06RV-006 | Quick&Easy Access WiFi - WiFi kit for the management of temporary access composed of a WiFi gateway (806SA-0200), RBE4230 (806RV-0020), a wired keypad (806SL-0280) and a keypad coding card (001R800). |
| AC Gateways | |
| 806SA-0180 | QBEMFSAC - Ethernet-Wi-Fi gateway to control access, with the CAME Connect system, up to 5 slave modules via radio link. |
| 806SA-0170 | RGSM001AC - GSM Gateway module with built-in radio, for remote control of accesses with the CAME CONNECT dedicated system (002RSE module included). For controlling up to five slave modules. |
| 806SA-0200 | Wi-Fi Gateway AC to control access with the CAME Connect system. |
| Slave modules | |
| 806SA-0150 | Slave Module to connect the operator to the CAME Connect gateways. |
| 806SA-0040 | RSLV001 - Slave module for operators (002RSE module included). |
| Receiver modules | |
| 001AF43S | 433,92 MHz plug-in radio frequency card. |
| 001AF868 | 868.35 MHz plug-in radio frequency card. |
| 12 - 24 V AC - DC external modules | |
| 806RV-0010 | RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding. |
| 120 - 230 V AC external modules | |
| 806RV-0020 | RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS coding. |









DOWNLOAD THE CAME AUTOMATION APP

The Cloud connection changes the way we experience our automated operators, by ensuring comfort and safety. We have put all our CAME Connect automated products online. In this way they can be controlled from any smartphone or tablet.



THE COMPLETE RANGE

Code Description

| Accessories for keypad operation | |
|--|--|
| 001 R800 | Control board for decoding and access-control management via keypad selectors. |
| 806SL-0280  | SELT1BDG - Surface-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color. |
| 806SL-0290  | SELT2BDG - Recess-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color. |
| Accessories for operation with Manchester transponders | |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 806SL-0300  | SELR1BDG - Surface-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color. |
| 806SL-0310  | SELR2BDG - Recess-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color. |
| 009 PCT | Keyfob transponder. |
| 806XG-0090 | Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol. |
| Accessories for operation with MIFARE transponders | |
| 001 R700 | Control board for decoding and access-control management via transponder selector. |
| 806SL-0320  | SELM1BDG - Surface-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color. |
| 806SL-0330  | SELM2BDG - Recess-mounted BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color. |
| 806XG-0100 | ISO MIFARE Classic 1 K – 13.56 MHz card. |



DOWNLOAD THE CAME AUTOMATION APP

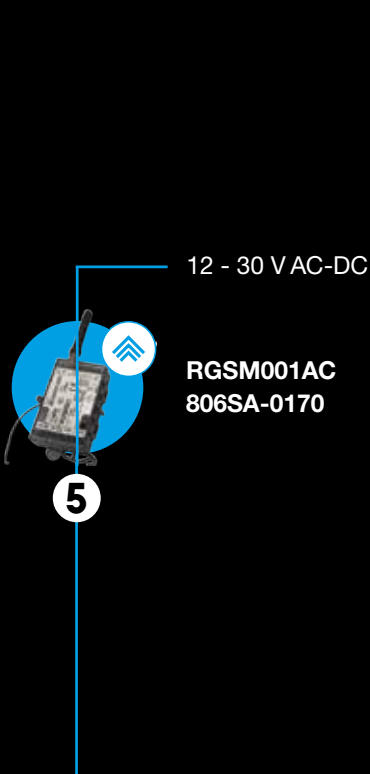
The Cloud connection changes the way we experience our automated operators, by ensuring comfort and safety. We have put all our CAME Connect automated products online. In this way they can be controlled from any smartphone or tablet.



WI-FI TECHNOLOGY SETUP EXAMPLE



GSM TECHNOLOGY SETUP EXAMPLE



GATEWAY TECHNOLOGY WITH QBE SETUP EXAMPLE



1 Connect door locks to RBE (wired up to 4 doors)

2 Connect keypad to RBE (wired up to 4 keypads)

3 Plug the radio slave module into the RBE socket

4 Plug the Wi-Fi gateway into the RBE socket

5 Connect radio slave module to QBE or RGSM (up to 5 slave module)

6 Set up QBE with your home Internet network (via Wi-Fi or cable)

Analytical index

| Page. | Code | Page. | Code | Page. | Code |
|--------------|------|--------------|------|--------------|------|
| 001A3000 | 87 | 001E787A | 127 | 001KR312S | 89 |
| 001A3000A | 87 | 001EM4001 | 127 | 001KR510D | 89 |
| 001A3024N | 87 | 001EM4024 | 127 | 001KR510S | 89 |
| 001A4364 | 106 | 001EM4024CB | 127 | 001KR512D | 89 |
| 001A4365 | 106 | 001F4004 | 191 | 001KR512S | 89 |
| 001A4370 | 106 | 001F40230E | 191 | 001LBF70 | 100 |
| 001A4801 | 109 | 001F4024E | 191 | 001LOCK81 | 78 |
| 001A5000 | 87 | 001F4024EP | 191 | 001LOCK82 | 78 |
| 001A5000A | 87 | 001FA70230 | 99 | 001PSRT01 | 152 |
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| 001AF86SR | 213 | 001FE4024 | 103 | 001RGP1 | 49 |
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| 001CAT-5 | 179 | 001G02809 | 147 | 001V06007 | 125 |
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CAME 

CORPORATE HEADQUARTERS

CAME S.p.A.
Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

COMMERCIAL BRANCHES EUROPE

ITALY
CAME ITALIA S.r.l.
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SAN. TIC. A.Ş.**
Kocaeli, TÜRKİYE

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DE MEXICO S. DE R.L. DE C.V.
Mexico City

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