

A U T O M A T I O N C A T A L O G U E

2 0 2 5

- Gate automation • Garage door automation
- Industrial closures • Automatic barriers • Accessories

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



4G LTE technology



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

MISSION

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.



THREE SETTINGS INFINITE SOLUTIONS

Our continued growth has enabled us to expand our product lines and the range of options we offer our partners and customers. Through our high-quality, customizable solutions, we transform residential, public, and urban environments into smart spaces.



RESIDENTIAL
BUSINESS
URBAN

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 SOLUTIONS 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.



GARAGE DOORS AND INDUSTRIAL CLOSURES

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.

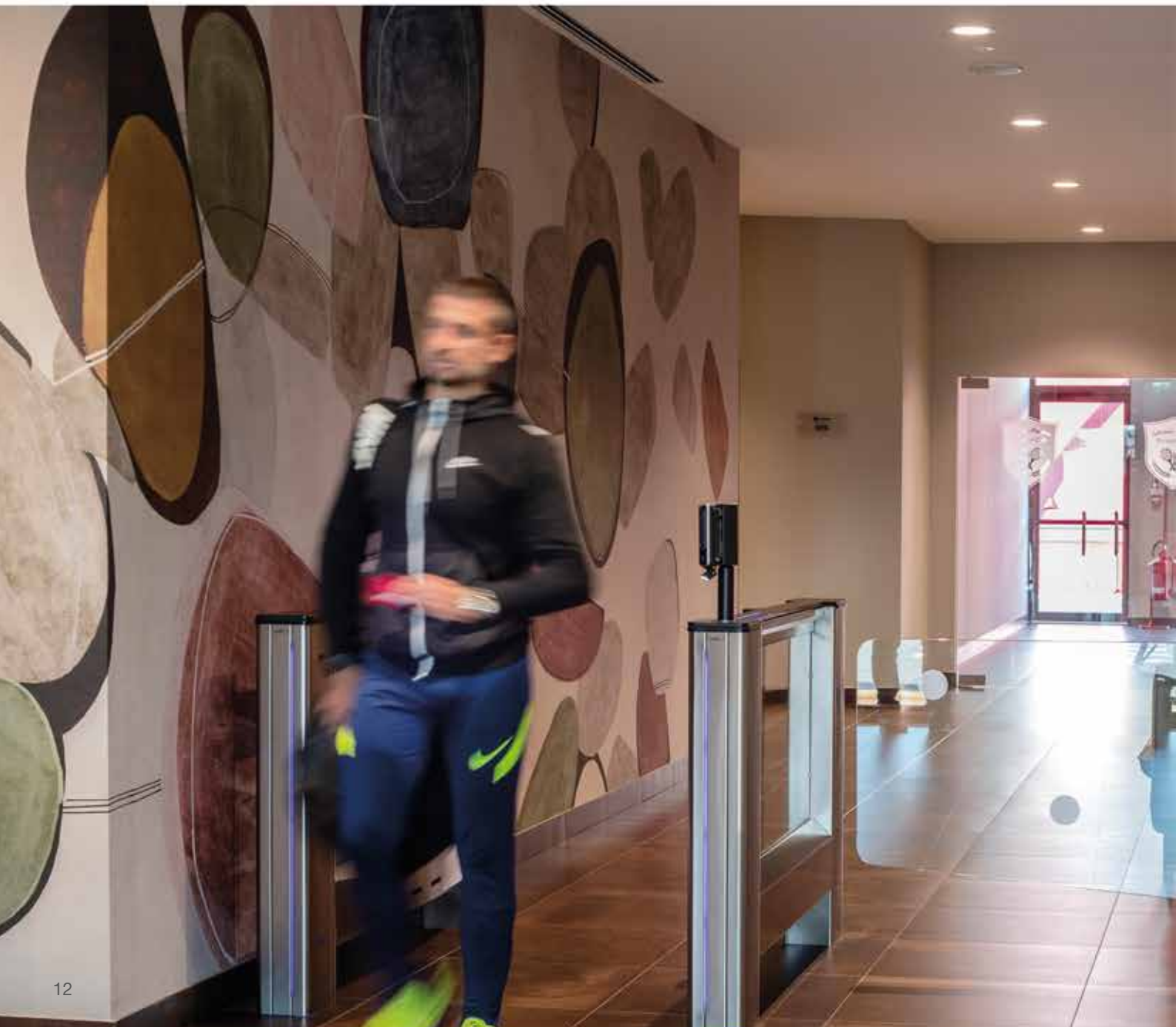


AWNINGS AND SHUTTERS

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.



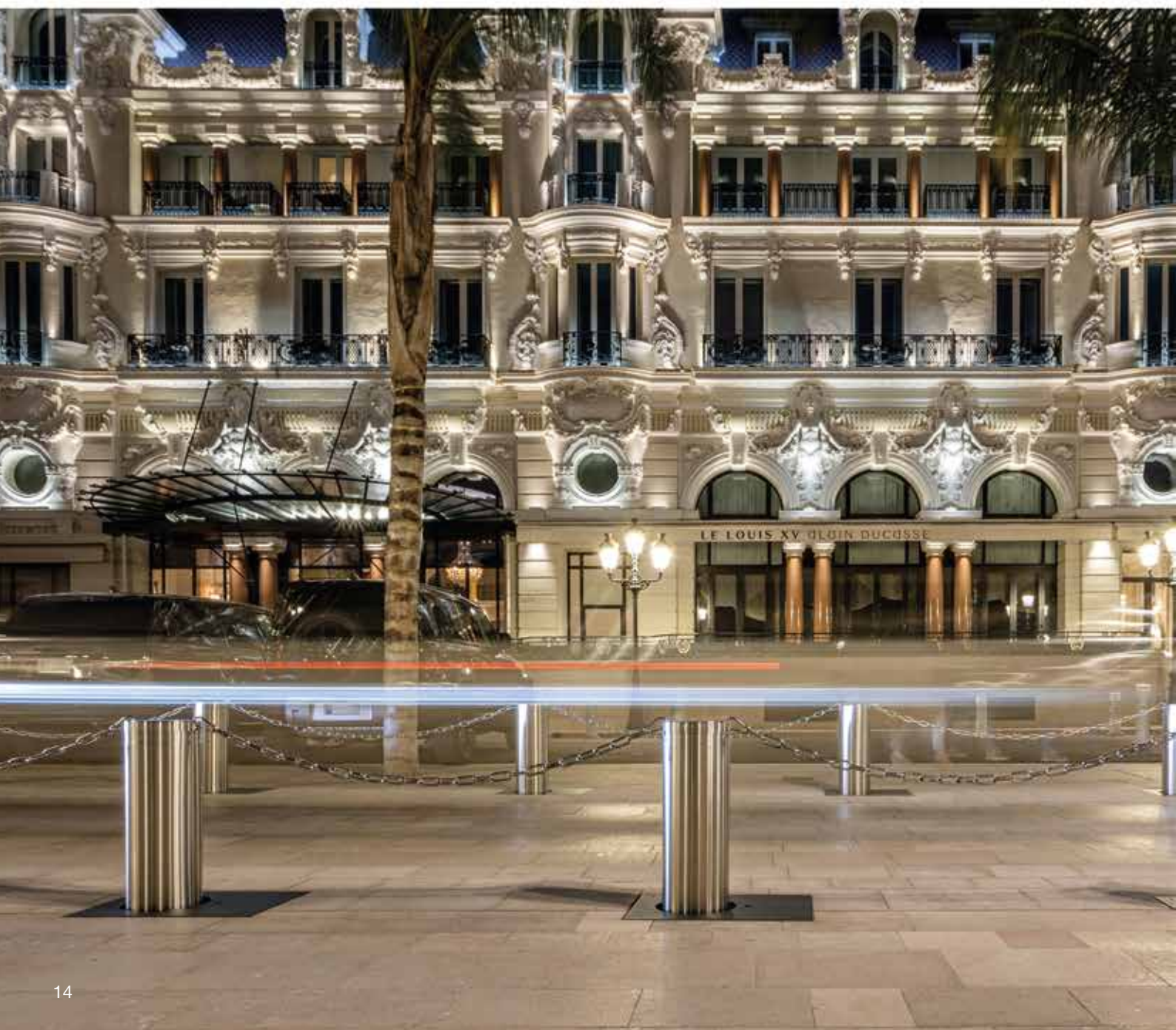
ACCESS CONTROL SYSTEMS

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.

SECURITY

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.

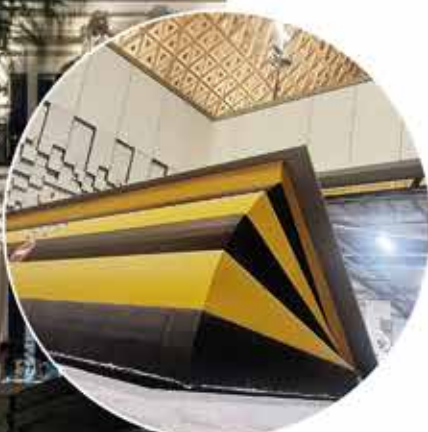
Managing sustainable mobility and urban traffic control are issues that concern us all. Since the first bollard was invented, we have striven to make urban spaces safe and smart, transforming them into reliable and safe places.





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.



DEDICATED 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 cutting-edge, 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.



DEDICATED 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

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 centers**. We lead the market with **over 25 branches 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.

BRANCHES AMERICA

Brazil
Canada
Mexico
USA



CAME  CAME  URBACO CAME  PARKARE CAME  ÖZAK
CAME  KMS CAME  NEPOS CAME  ENTROTEC

309

SALES IN 2023 (MLN
EURO)

10

PRODUCTION
PLANTS

4

R&D CENTRES

+25

DIRECT BRANCHES

+110

COUNTRIES WITH
PARTNERS AND
DISTRIBUTORS

+40

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

The UAE
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.



CAME TRAINING TEAM

FOR INFORMATION AND REGISTRATION:



Send your request to
traininginternational@came.com



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

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.



CONNECT



INSTALLER

Configuration
Access
Monitoring
Maintenance



ADMINISTRATOR

Users management
Monitoring
Maintenance requests



CLIENT

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 CAME KEY

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.

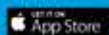
CAME KEY reduces job times when operators are installed in hard-to-get places, and, allows installers to do the all of the following:

- 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.



DISCOVER THE NEW CAME.COM WEBSITE

OUR WEBSITE HAS BEEN COMPLETELY REDESIGNED!

EXPLORE THE ENTIRE CAME RANGE IN A MODERN, INTUITIVE, AND ALWAYS UP-TO-DATE EXPERIENCE

Simple and intuitive navigation to quickly find what you're looking for.

Complete catalog with all CAME products and solutions.

Constantly updated content to stay informed about the latest news.

Insights and resources to satisfy every curiosity.

Optimized experience for all devices, wherever you are.

Visit came.com/global now
and discover a world of automation solutions!

CAME

COMPANY PRODUCTS TECHNOLOGY PROJECTS SUPPORT TRAINING

KRX

THE NEW FRONTIER OF FLASHING LIGHTS

DISCOVER NOW

FEATURED CATEGORIES

- Gate Automation
- Automatic Barriers
- Parking Systems
- Barriers and Road Blockers
- Video entry systems
- ALL

CAME

COMPANY PRODUCTS TECHNOLOGY PROJECTS SUPPORT TRAINING

Equipped with advanced technical features such as Advanced Speed Control, remote connectivity, and full compatibility with third-party management systems, CAME barriers offer seamless integration into existing access control infrastructures. This makes them an ideal choice for both new installations and upgrades.

DISCOVER

GARD L34	GARD L34	GARD GT4	GARD PX
Range with obstacle	Range with obstacle	Passage with clearance	Passage with clearance
50m	50m	8m	3.8m
Speed	Speed	Speed	Speed
1-6s	2-6s	2-6s	1-2s
MCSP	MCSP	MCSP	MCSP
1,000,000	1,000,000	1,000,000	10,000,000
Discover full	Discover more	Discover more	Discover more

APP SETUP PRO

ALL FROM YOUR SMARTPHONE

SETUP PRO

is the dedicated app for professionals to easily manage CAME automations and video-entry systems.

A platform that revolutionizes the installer's work by simplifying automation and customer management.

With an intuitive interface, it enables the configuration of automations, accessories and video-entry systems from smartphones.

It is used locally with CAME Key or remotely via CONNECT gateway.

With SetUp Pro, the installer has one comprehensive tool for installing, maintaining, and upgrading CAME systems for both automations and video-entry systems.

Efficiency, convenience and speed in your daily work!



APP SETUP PRO

available from the second half of 2025 on Google Play and the App Store

QUICK INSTALLATION

Now with an intuitive interface and simplified flow, it offers the Quick Setup function for easy configurations on CAME automations and video-entry systems via smartphone.

SIMPLIFIED LOCAL PROGRAMMING WITH CAME KEY

Thanks to the immediate connection via CAME KEY, configuration and updating of system parameters is quick and easy without complications.

CUSTOMER MANAGEMENT AND PERSONALIZED ASSISTANCE

The SetUp Pro app has a built-in customer address book allowing for quick and organized management of installations and interventions.

ALL WITHIN REACH

Maintenance and support always accessible with SetUp Pro: error history, maneuver details and quick access to spare parts, manuals and technical support.

ACCESSORY MANAGEMENT AND ADVANCED DIAGNOSTICS

The App manages accessories with advanced diagnostics, monitoring the status and reporting errors for preventive maintenance and quick troubleshooting.

FIRMWARE UPGRADE AND PARAMETER RESET

New firmware upgrades are easily uploaded via CAME KEY, which also enables rapid restoration of saved parameters, reducing time and effort.





NEWS



AUTOMATIC BARRIERS



GARD LS6

**PASSAGE WIDTH
CLEARANCE**

3 to 6.5 m

MCBF

**1.5 million
cycles**

CYCLES/HOUR

160

PERFORMANCE MEETS DESIGN

RELIABLE

thanks to the 24 V DC motor with ENCODER and ADVANCED SPEED CONTROL for controlling the forces applied to the boom.

FAST AND EFFICIENT

with maximum speed from 4 to 6 seconds depending on the length of the boom.

ADVANCED ELECTRONICS

developed using CONNECT technology and compatible with MODBUS protocol.

CIRCULAR SECTION BOOM

predisposed for installation of light signals.

SAFE

compliant with standard EN 12453, easily passes impact tests.

CUSTOMIZED FINISH

standard structure in galvanized, painted steel (RAL 7024), also available in stainless steel AISI 304 or any other RAL finish on request.

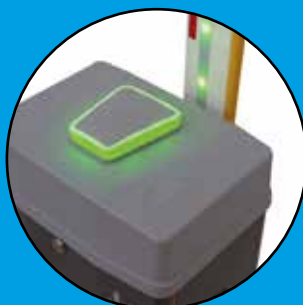
MAIN CHARACTERISTICS

- IMMEDIATE START-UP THANKS TO THE SPECIAL INTERMEDIATE MOUNTING PLATE
- EASY-ACCESS CONTROL BOARD LOCATED ON TOP
- EMERGENCY BATTERIES
- SAFETY BOOM RELEASE SYSTEM
- FOLDING SKIRT
- CONTROL AND SAFETY ACCESSORIES EASILY INTEGRATED ON THE CABINET
- DOUBLE SPRING BALANCING
- BOOM WITH SIGNALING LIGHTS
- PREPARATION FOR KLT FLASHING LIGHT

Customizable finish



KLT Flashing light



Control board in convenient position





NEWS



SWING GATES



FROG-X

**MAXIMUM LEAF
WIDTH**

4 m

**MAXIMUM LEAF
WEIGHT**

800 kg

MCBF

**250,000
cycles**

THE ULTIMATE UNDERGROUND MOTOR

FAST AND SILENT

24 V brushless motor with speed up to 10 seconds for 90° opening.

POWERFUL AND RELIABLE

For gate leaves up to 4 meters and 400 kg, with MCBF 250,000 cycles, ideal for both residential and industrial settings.

STRESS-RESISTANT

All-metal frame and gears made of hardened and tempered carbon steel, and high quality steel gate leaf support pin.

WEATHER RESISTANT

Aluminum motor casing with IP67 protection rating.

ADVANCED ELECTRONICS

Control panel with smart configuration through CAME KEY and advanced functions

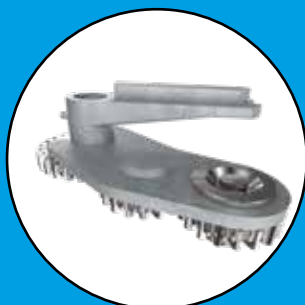
COMPATIBLE WITH FOUNDATION BOXES OF PREVIOUS MODELS

It can also be installed in conjunction with existing FROG foundation boxes.

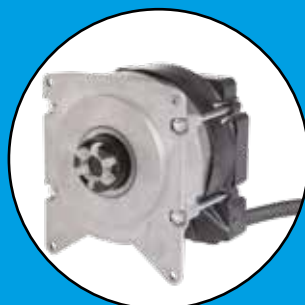
MAIN CHARACTERISTICS

- **BRUSHLESS MOTOR FOR LONGER LIFE**
- **UPDATED FOUNDATION BOX**
- **180° OPENING ACCESSORY**
- **ZLB24SA ADVANCED CONTROL PANEL WITH CXN BUS TECHNOLOGY**
- **CONFIGURATION VIA SMARTPHONE**
- **GUIDED CONFIGURATION WITH AUTO-SETUP**
- **COMPATIBLE WITH SMART HOME AND VOICE ASSISTANTS**
- **COMPATIBLE WITH CAME CONNECT TECHNOLOGY**

Accessory for 180° opening

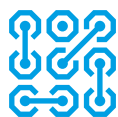


Brushless motor



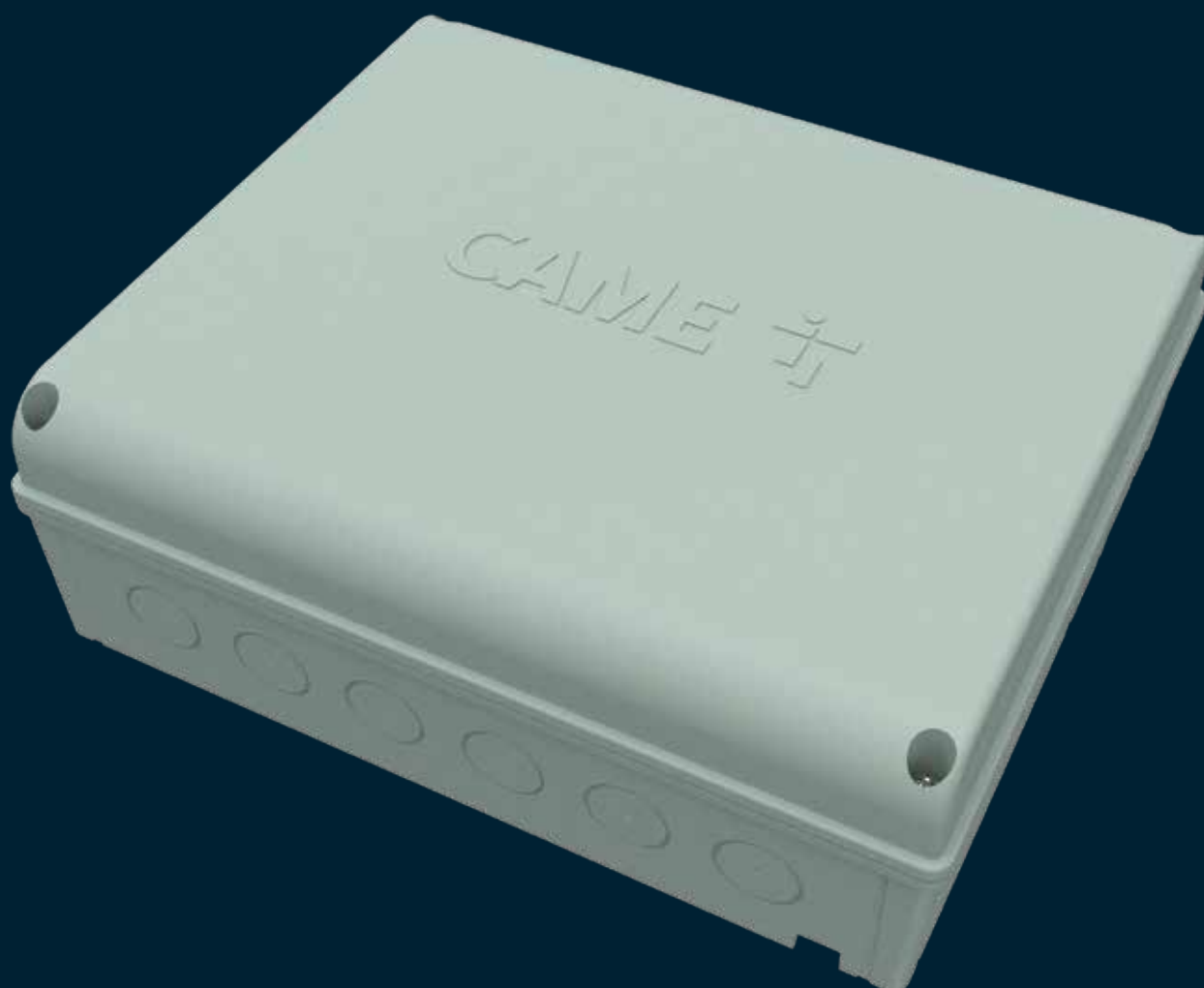
New foundation box





NEWS

ACCESS CONTROL



RBE PLUS

MAX NUMBER
OF USERS

5000

MAX NUMBER
INPUTS CXN BUS

8

MAX NUMBER OF
AUTOMATIONS

4

THE CONTROL PANEL FOR ACCESS CONTROL

TWO MODELS

With power supply from 120 to 230 volts or 24 volts.

CONNECTING UP TO 8 CXN BUS ACCESSORIES

Digital keypads, transponders, key selectors.

4 DIGITAL INPUTS

To be used to read states or to control relay outputs and/or CAME automations.

4 OUTPUT RELAYS

With load up to 5 A to be used for direct control of electric locks, lights, or for controlling automations.

CAN STORE UP TO 5000 USERS

Manages radio controls, access codes and badges. Ideal for medium- to large-scale systems.

CONNECTOR FOR GATEWAY

For local setup via CAME KEY or for remote management thanks to CONNECT technology.

QUICK&EASY Access FUNCTION

Allows you to generate a code for each guest that will be valid from the check-in date/time until check-out. The guest will receive an invitation email with the code, which can be used locally at enabled access points or via their smartphone.

MAIN CHARACTERISTICS

- 7-SEGMENT PROGRAMMING DISPLAY
- SIMPLE INSTALLATION THANKS TO THE DIN RAIL
- CAN MANAGE UP TO 5,000 USERS THROUGH AF43S RADIO FREQUENCY CARDS AT 433.92 MHZ OR AF868 AT 868.35 MHZ
- CONNECTION OF UP TO 8 CXN BUS ACCESSORIES THANKS TO THE RCXN ACCESSORY (art. 806XG-0110), PROGRAMMING PASSWORD AND AUTO-DISCOVERY FUNCTION
- REMOTE CONTROL WITH CAME CONNECT
- TOTAL CONTROL OF EVENTS
- CUSTOMIZED TIME SLOT MANAGEMENT
- INTEGRATED WITH QUICK&EASY ACCESS FOR TEMPORARY ACCESS MANAGEMENT

Remote control app



Programming display



Integrated with QUICK&EASY Access





NEWS



CONTROL PANELS



ZLX230

**PANEL POWER
SUPPLY**

230 V AC

VERSIONS

**AVAILABLE IN
3 VERSIONS**

**PROTECTION
RATING**

IP 54

THE ULTIMATE CONTROL PANEL!

CONNECT TECHNOLOGY

Digital automation management, both locally and remotely.

ADVANCED ELECTRONIC FUNCTIONS

Smarter installation, the ZLX230 series includes DIGITAL TORQUE CONTROL, ENCODER motor management, and INTELLIGENT motion CONTROL.

VARIOUS CONNECTION MODES

Control and safety accessories with CXN BUS technology, RIO wireless system, traditional and resistive inputs.

SIMPLIFIED INSTALLATION AND WIRING

Thanks to innovative mechanical and electronic solutions

COMPATIBLE WITH ALEXA

Voice-controlled automation management.

AVAILABLE IN 3 VERSIONS

Management of all CAME gearmotor series for swing gates with 3 dedicated control panel versions, ZLX230P, ZLX230M e ZLX230S.

MAIN FEATURES OF ZLX230 CONTROL PANELS

- GRAPHIC PROGRAMMING DISPLAY
- MOTORS CONFIGURATION
- DIGITAL TORQUE CONTROL (DTC)
- SCHEDULED MAINTENANCE
- ENCODER MOTOR MANAGEMENT
- SMART MOTION CONTROL
- COMPATIBLE WITH CAME CONNECT TECHNOLOGY
- COMPATIBLE WITH CXN BUS AND RIO SYSTEM 2.0 ACCESSORIES

Programming with CAME KEY



Scheduled maintenance



Digital Torque Control (DTC)





NEWS



ACCESSORIES



DIMENSIONS
(mm)

69 x 52 x 34

NEW

**GREEN POWER
MODULE**

806XG-0160

NEW GREEN POWER MODULE: LESS CONSUMPTION, MORE EFFICIENCY!

Sustainability is a core value for CAME. The New Green Power Module has arrived, an innovative accessory that allows you to reduce the energy consumption of your automation during periods of inactivity. The New Green Power module easily connects to compatible automations and control panels, optimizing power consumption when the automation is not on.

MAIN CHARACTERISTICS

- **ENERGY SAVINGS: REDUCES THE POWER CONSUMPTION OF AUTOMATIONS IN STAND-BY.**
- **SUSTAINABILITY: CONTRIBUTING TO A GREENER FUTURE.**
- **EASY TO INSTALL: EASILY CONNECTS TO COMPATIBLE AUTOMATIONS.**
- **COMPATIBLE: WORKS WITH VARIOUS AUTOMATIONS IN OUR RANGE.**

Green Power Module



Connection terminals



Compatible with CAME Automations



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

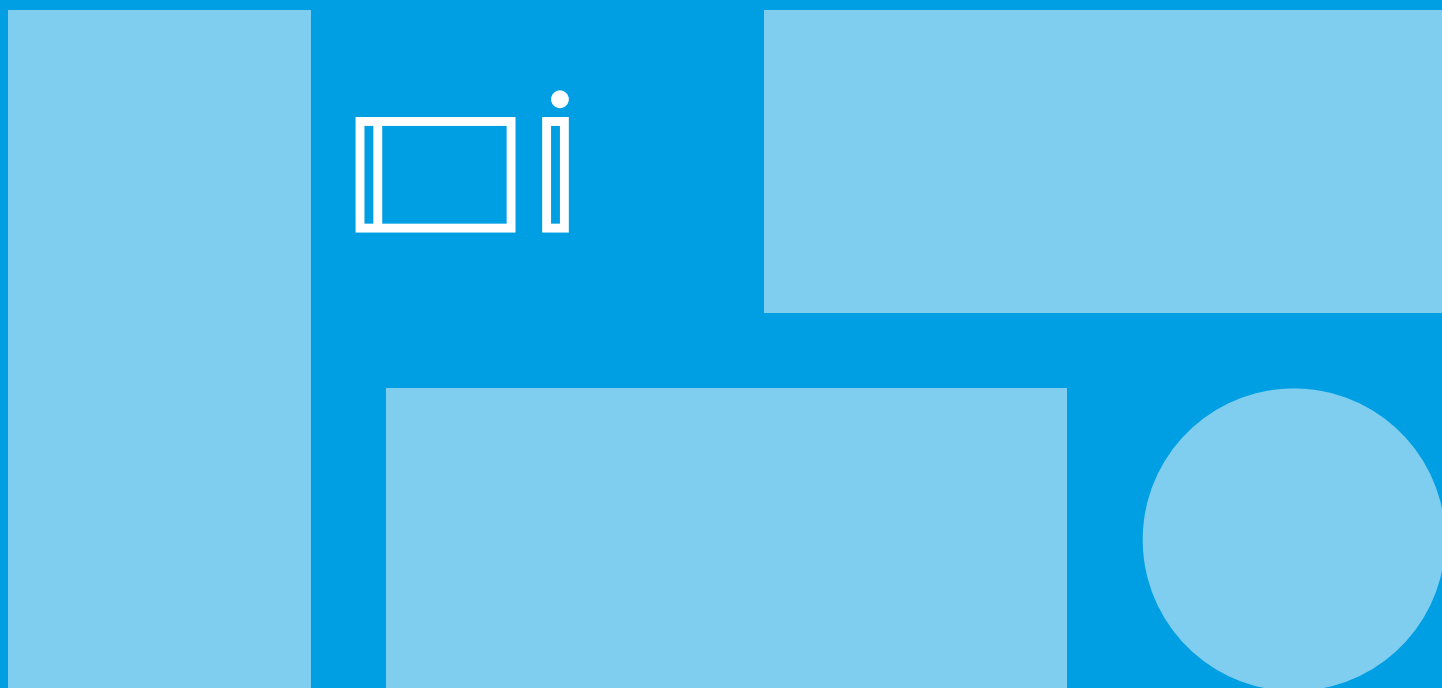
THE SYSTEM AND THE USER	THE COMMAND			
	With no self-locking	Sending impulses with system control from a fixed station	Sending impulses with no control of the system from a fixed station (radio control)	Automatic (impulse based)
PRIVATE area TRAINED user	A	C	C	C + D
PRIVATE area UNTRAINED user	C	C	C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



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69	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)
BX	801MS-0020	400 / 14
BXV	801MS-0150	400 / 14
BXV	801MS-0160	400 / 14
BXV PLUS	801MS-0570	400 / 14
BXV	801MS-0180	600 / 18
BXV	801MS-0190	600 / 18
BXV	801MS-0380	600 / 18
BXV PLUS	801MS-0580	600 / 18
BX	801MS-0030	800 / 14
BKX	801MS-0690	800 / 20
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 PLUS	801MS-0590	1000 / 20
BKX	801MS-0700	1200 / 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 / 23

● 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.

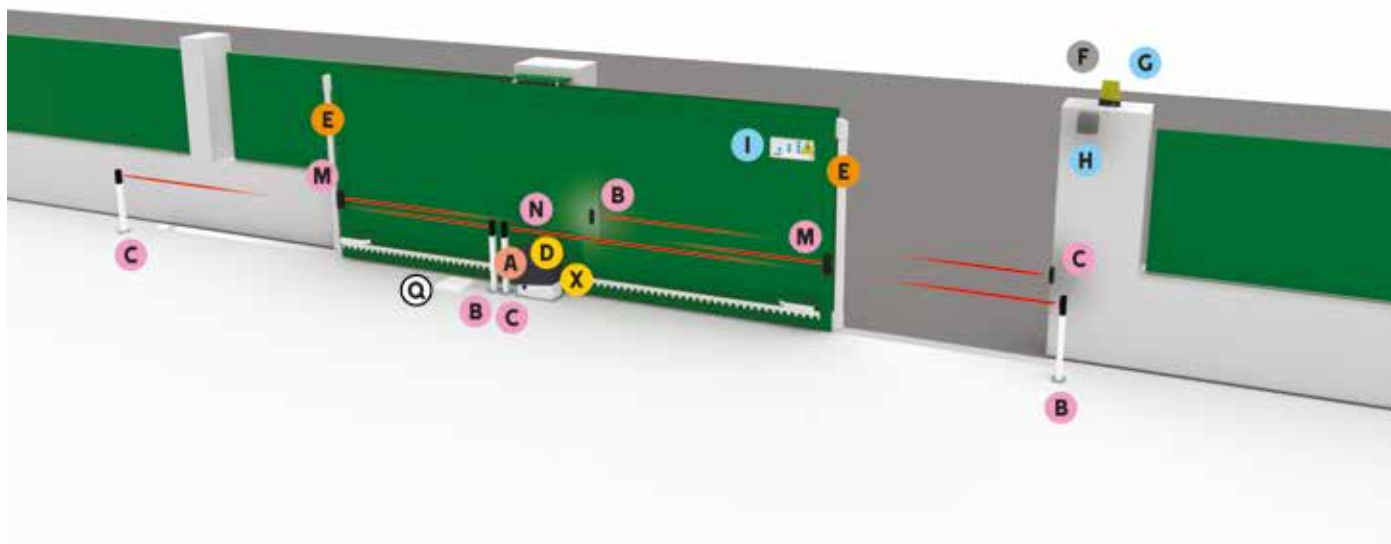
The flashing light for movement signaling.

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

NOTES:

The control panel is integrated in the operator (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 208

CAME 

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



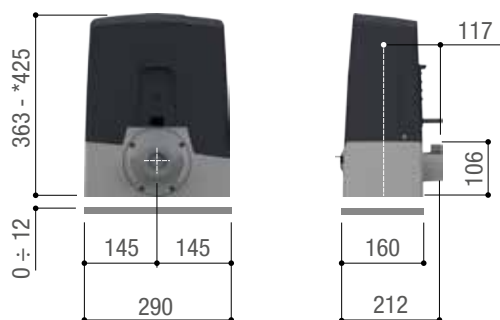
MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 1000 kg	UP TO 20 m	CONTINUOUS DUTY



Solution for residential and apartment building installations

- Operator equipped with encoder.
- Set up 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.
- 3 different rapid versions available (speed up to 22 m/min).

Dimensions (mm)



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

Battery type

MODEL	BATTERY TYPE (not supplied)
801MS-0150	2 x 12 V - 1.3 Ah
801MS-0160	2 x 12 V - 5 Ah
801MS-0180	2 x 12 V - 1.3 Ah
801MS-0190	2 x 12 V - 5 Ah
801MS-0210	2 x 12 V - 1.3 Ah
801MS-0230	2 x 12 V - 1.3 Ah
801MS-0250	2 x 12 V - 5 Ah

Operational limits




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

Technical characteristics




MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250
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)	24	24	24	24	24	24	24
Maximum draw (A)	7	11	16	16	10	10	16
Power (W)	170	270	400	400	240	240	360
Maneuvering speed (m/min)	12	12	11	11	22	20	20
Cycles/Hour	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY
Thrust (N)	350	600	800	1000	250	330	450
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

Code	Description
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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 - RAPID Version	
---	--

801MS-0160  	BXV04AGF - Automation 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-gray cover. Fast version up to 22 m/min.
--	---






801MS-0190  	BXV06AGF - Automation 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-gray cover. Fast version up to 20 m/min.
--	---

801MS-0250  	BXV10AGF - Automation 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 1000 kg that are up to 20-m long. RAL7024-gray cover. Fast version up to 20 m/min.
--	--

THE COMPLETE RANGE

Code Description

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 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.
806XG-0160 	Green Power module for reducing energy consumption in standby mode.
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.
Accessory for local programming	
806SA-0110 	CAME KEY - Smart interface for local setting of automation via App.



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 SMARTPHONE
CONTROL**

FIND OUT MORE ON PAGE 230

CAME 

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BXV PLUS

SLIDING GATE AUTOMATION



CONNECT



24 V



EN TESTED



CXN BUS



ENCODER



RIO SYSTEM 2.0

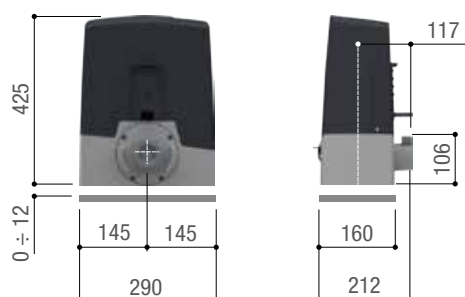
MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 1000 kg	UP TO 20 m	CONTINUOUS DUTY



Solution with advanced electronics for industrial installations

- Operator equipped with encoder.
- CXN BUS accessories compatibility.
- Guided configuration with auto-setup.
- Adaptive Speed and Torque Technology.
- 4 safety configurable inputs (8k2).
- Built-in Clock function.
- Graphic display and storage for up to 1000 users.
- Optional magnetic limit switches and heater.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Battery type

MODEL	BATTERY TYPE (not supplied)
801MS-0570	2 x 12 V - 5 Ah
801MS-0580	2 x 12 V - 5 Ah
801MS-0590	2 x 12 V - 5 Ah

Operational limits

MODELS	801MS-0570	801MS-0580	801MS-0590
Max. weight of leaf (kg)	400	600	1000
Pinion module	4	4	4

Technical characteristics

MODELS	801MS-0570	801MS-0580	801MS-0590
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Power supply to motor (V)	24	24	24
Maximum draw (A)	7	11	16
Power (W)	170	270	400
Manoeuvring speed (m/min)	12	12	11
Cycles/Hour	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY
Thrust (N)	350	600	1000
Pinion module	4	4	4
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

● 24 V DC

Code

Description

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

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

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.



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

001RSDN001

Pull-cord release device for operators.



001RSDN002

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



001RSDN003

Heating system for operators installed in cold areas.



002RSE

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



Accessories for: 001RSDN001

001H3000

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



Accessories

002RLB



Circuit board for emergency operation and battery charging.



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.



Accessory for local programming

806SA-0110



CAME KEY - Smart interface for local setting of automation via App.



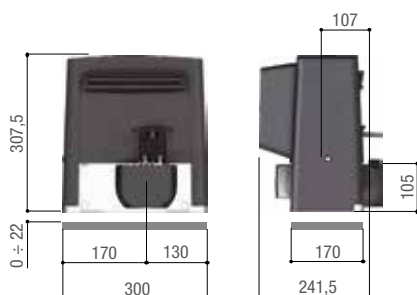
MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 800 kg	14 m	17 CYCLES/HOUR

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
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70

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

001**R001**

Lock cylinder with DIN key.



001**B4337**

Chain drive device.



009**CCT**

Simple 1/2" chain.



009**CGIU**

Joint for 1/2" chain.



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.



801XC-0100

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



806XG-0160



Green Power module for reducing energy consumption in standby mode.



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.



Accessory for local programming

806SA-0110



CAME KEY - Smart interface for local setting of automation via App.



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.



MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 2200 kg	UP TO 23 m	UP TO 22 CYCLES/HOUR



Sliding gate solutions for industrial use

- 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
Cycles/Hour	14	14	14	14	22	14
Thrust (N)	800	850	1150	1500	1500	1650
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

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.
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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 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.
Accessory for local programming	
806SA-0110	CAME KEY - Smart interface for local setting of automation via App.



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 228 - 230

CAME 

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



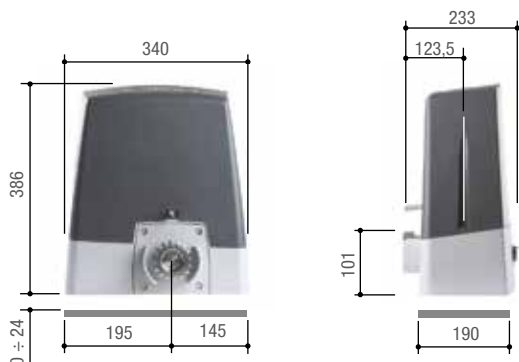
MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 1200 kg	UP TO 20 m	UP TO 20 CYCLES/HOUR



Brushless solution for advanced residential and industrial installations

- Designed for rapid movement.
- "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 1000 users.
- Board equipped with CXN BUS connectors.
- 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.
- Integrated clock card for management of up to 8 opening and closing operations programs.
- 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-0690	801MS-0700
Max. weight of leaf (kg)	800	1200

Technical characteristics

MODELS	801MS-0690	801MS-0700
Protection rating (IP)	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	24	24
Power (W)	230	270
Manoeuvring speed (m/min)	24	20
Cycles/Hour	20	17
Thrust (N)	800	800
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70

Code Description

Complete automations with 24 V DC brushless operator

801MS-0690



BKX08AGF - 230 V Automation with 24 V Brushless motor with speed up to 24 m/min, Adaptive Speed & Torque Technology, equipped with control board with graphic display, CAME Key ready, CXN BUS, B1 and B2 output, on-board radio decoding, movement management and obstacle detection for gates up to 800 kg and 20 m length. RAL7024-gray cover.

801MS-0700



BKX12AGM - 230 V Automation with 24 V Brushless motor, Adaptive Speed & Torque Technology, equipped with control board with graphic display, CAME Key ready, CXN BUS, B1 and B2 second radio channel output, magnetic limit switch, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 1200 kg that are up to 20-m long. RAL7024-gray cover.



24 V DC Accessories

801XC-0250



Circuit board for emergency operation and battery charging.



Accessories

801XC-0190



Adapter plate for BK series automation.

801XC-0200



Adapter plate for BX series automation.

801XC-0210



Adapter plate for BXV series automation.



001H3000

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



002RSE

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



001RSDN003

Heating system for operators installed in cold areas.



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.

806XG-0160



Green Power module for reducing energy consumption in standby mode.



801XC-0220

Remote release system for BKX.

Racks

009CGZ

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

009CGZS

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



Accessory for local programming

806SA-0110



CAME KEY - Smart interface for local setting of automation via App.



Notes:

BKX is available from July 2025

MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
UP TO 2500 kg	20 m	CONTINUOUS DUTY



Efficient and advanced sliding gate solutions for industrial use

- "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 DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY
Thrust (N)	800	900	1000	800	900	1000	650
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Storage temperature (°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, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement management/obstruction detection and module 6 pinion for gates weighing up to 2500 kg that are up to 20-m long.

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.



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**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.



Accessory for local programming

806SA-0110 CAME KEY - Smart interface for local setting of automation via App.



BY-3500T

SLIDING GATE AUTOMATION



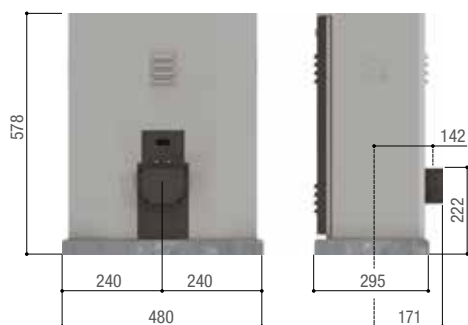
MAX. LEAF WEIGHT	MAX. LEAF LENGTH	USE
3500 kg	23 m	8 CYCLES/HOUR



Special sliding gate solutions for industrial use

- 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
Maneuvering speed (m/min)	10,5
Cycles/Hour	8
Thrust (N)	3500
Operating temperature (°C)	-20 ÷ +55
Storage temperature (°C)	-25 ÷ +70

● 230 – 400 V AC THREE PHASE

Code	Description
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Three-phase 230 – 400 V AC operators	
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001 BY-3500T 	Automation with three-phase 400 V AC motor, complete with control board and mechanical limit switches for sliding gates up to 3,500 kg in weight and 23 m in length.
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Racks	
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009 CGZ6	Galvanized rack module 6 in 30 x 30 laminated steel.
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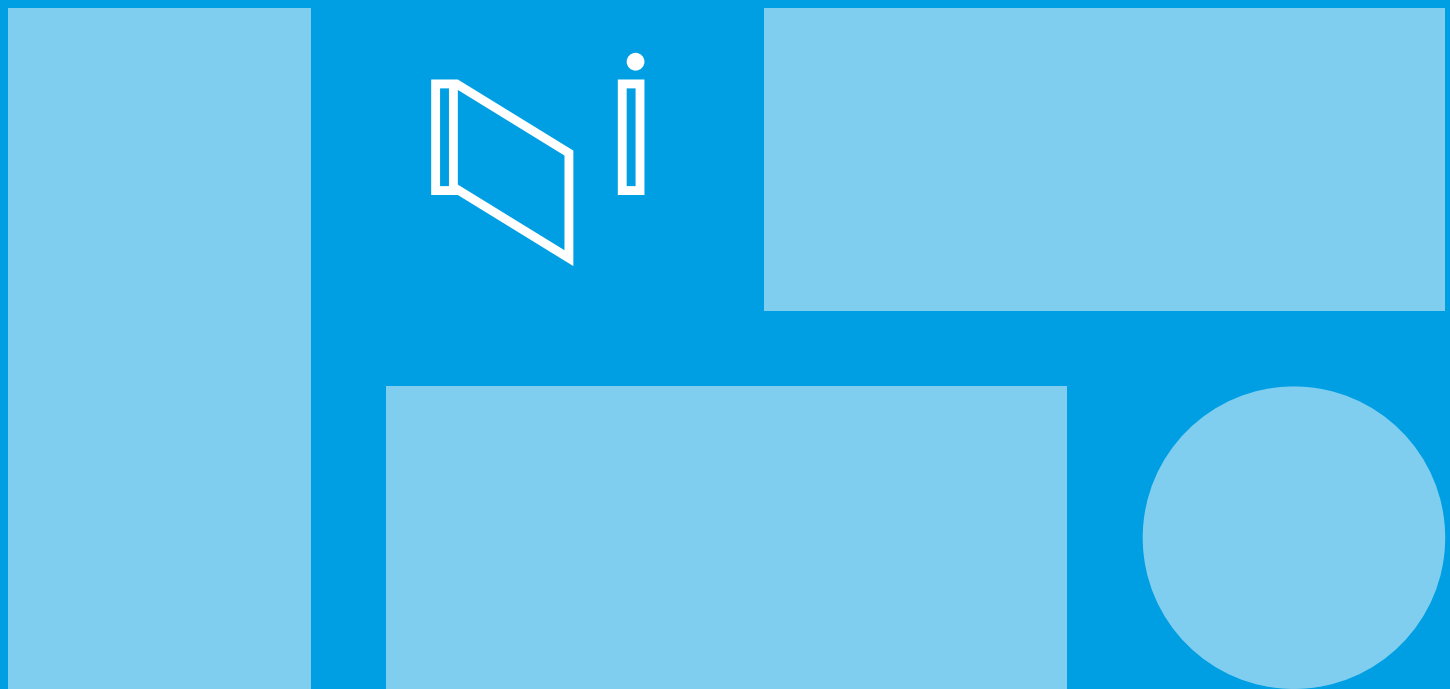
The table shows all of the characteristics of sliding-gate control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	BX	BK	BKV	BXV	BY-3500T BK	BXV Plus	BKX
Control board / Control panel	ZBX7N	ZBKN	ZN8	ZN7	ZT6N	ZBC1	ZBB3
Security							
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 SAVING management control (Green Power module)	●			●			●

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

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

SWING GATE AUTOMATION



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111	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)	Torque (Nm)	Max. thrust (N)	C-Max (mm)
FROG	FROG-AV	1,3	240	-	-
STYLO	STYLO-RME	1,8	100	-	180/200*
STYLO	STYLO-ME	1,8	100	-	180/200*
AXI	801MP-0030	2	-	2000	60
FTX	801MB-0140	2	180	-	150
FTX	801MB-0130	2	180	-	150
FTX	801MB-0150	2	180	-	250
FTX	801MB-0160	2	180	-	250
FAST	FA70230CB	2,3	180	-	200/300**
FAST	FA70230	2,3	180	-	200/300**
FAST	FA7024CB	2,3	180	-	200/300**
FAST	FA7024	2,3	180	-	200/300**
FAST	801MB-0090	2,3	180	-	250
FAST	801MB-0100	2,3	180	-	250
AXI	801MP-0040	2,5	-	2000	60
ATS	801MP-0050	3	-	3000	200
ATS	801MP-0070	3	-	3000	200
ATS	801MP-0090	3	-	3000	200
ATS	801MP-0110	3	-	3000	200
ATI	A3000A	3	-	4000	60
ATI	A3024N	3	-	4000	60
ATI	A3000	3	-	4000	60
AXO	AX302304	3	-	4500	70
AXO	AX312304	3	-	4500	70
AXO	AX3024	3	-	4500	70
FROG	FROG-A	3,5	320	-	-
FROG	FROG-AE	3,5	320	-	-
FROG	FROG-A24	3,5	320	-	-
FROG	FROG-A24E	3,5	320	-	-
AXO	AX402306	4	-	4500	70
AXO	AX412306	4	-	4500	70
FERNI	FE40230	4	540	-	380
FERNI	FE40230V	4	320	-	380
FERNI	FE4024	4	360	-	380
FERNI	FE4024V	4	360	-	380
FROG-X	801MI-0030	4	300	-	-
ATS	801MP-0060	5	-	3000	200
ATS	801MP-0100	5	-	3000	200
ATS	801MP-0080	5	-	3000	200
AXO	AX5024	5	-	4500	150
ATI	A5100A	5	-	4000	120
ATI	A5024N	5	-	4000	120
ATI	A5106	5	-	4000	120
FROG PLUS	FROG-PM4	5,5	800	-	-
AXO	AX71230	7	-	4500	150
FROG PLUS	FROG-PM6	7	800	-	-
SUPER FROG	FROG-MD - FROG-MS	8	1000	-	-

* with accessory 001STYLO-BD - ** with accessory 801XC-0070
 ● 230 V AC ● 24 V DC HEAVY DUTY ● 230 - 400 V AC TRI-PHASE



SWING GATES UNDERGROUND 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

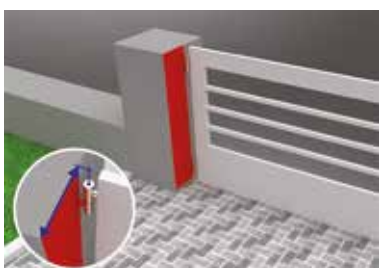
Simple installation with no setting up.

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 closure of the gates and to protect the gears of the geared 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 still up to the installer to decide whether to install it, 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 signalling movement.

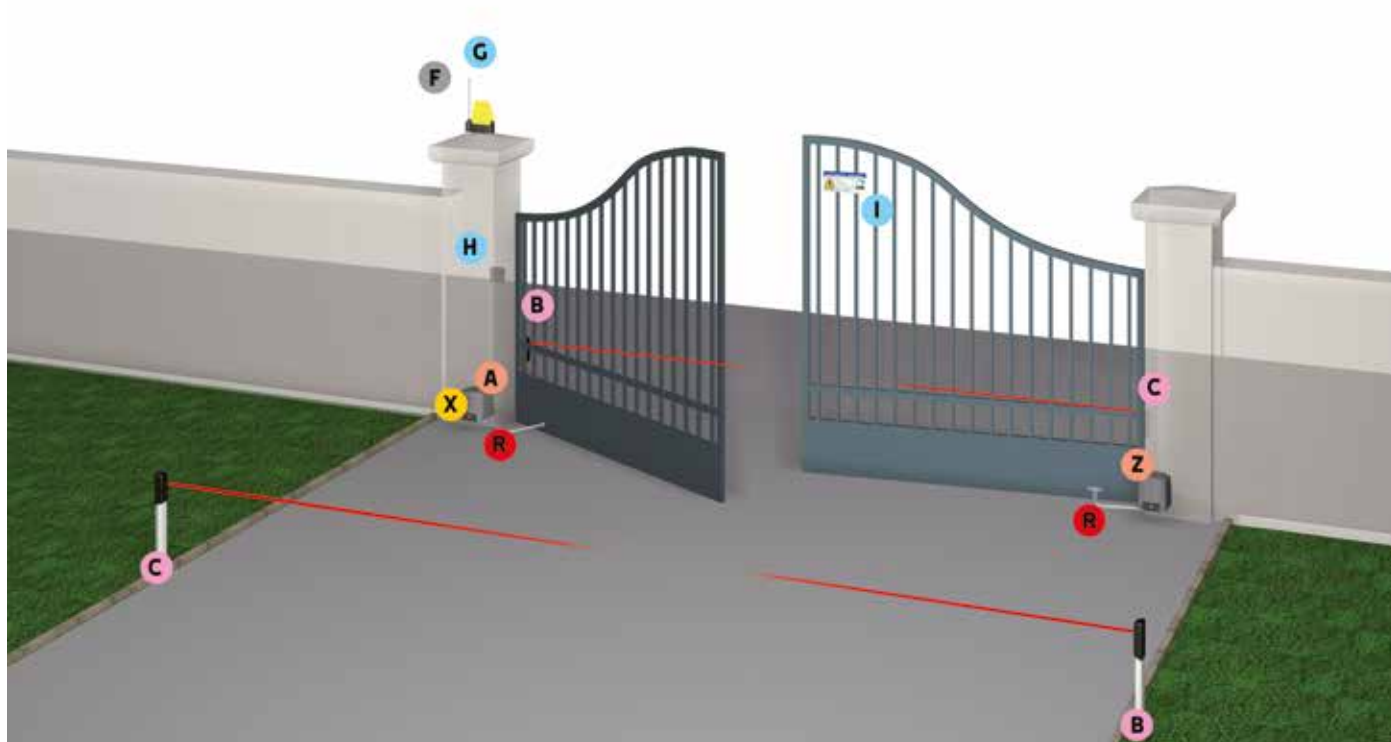
CAME has always suggested installing the flashing light as an additional safety feature for the automation system.

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



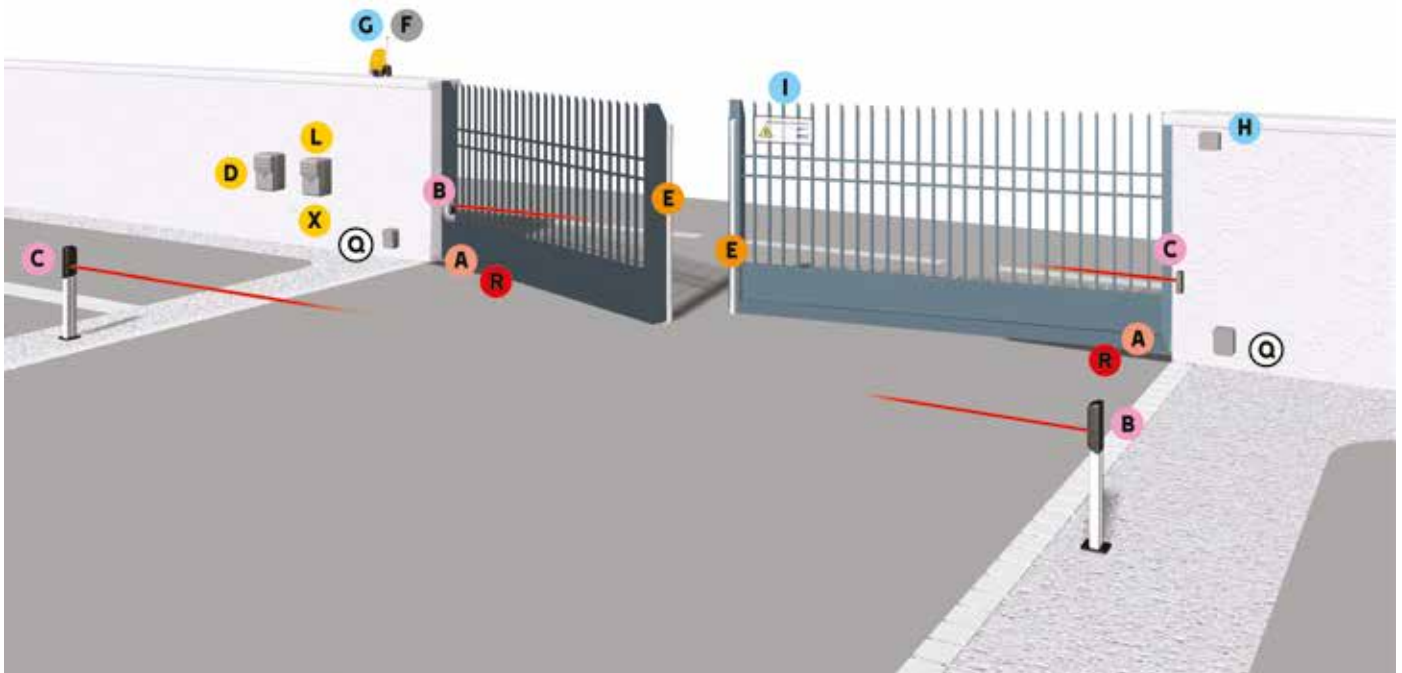
COMPONENTS

- A** Operator (garmotor 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.

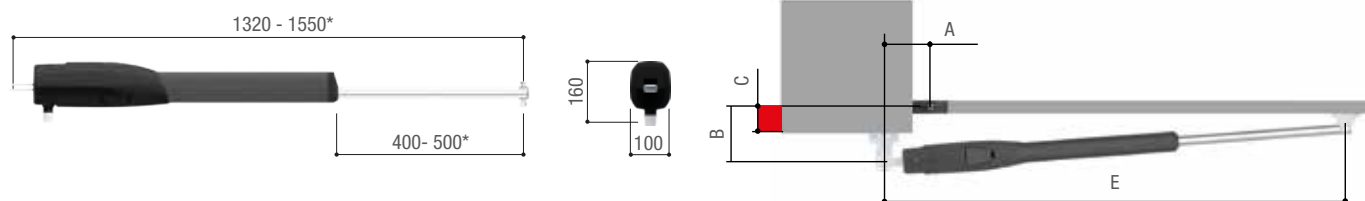
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 5 m	UP TO 800 kg	CONTINUOUS DUTY	200 mm

Solution for applications 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		

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				

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

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 DUTY	CONTINUOUS DUTY	CONTINUOUS DUTY
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

801QA-0110 	ZLX230P - Multifunctional control panel basic version, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, 2 safety inputs and storage for up to 250 users.
801QA-0120 	ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0130 	ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.



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



THE COMPLETE RANGE

Code Description

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

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



Accessories for: 002ZL65 - 801QA-0050 - 801QA-0060

002RLB Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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.



BUS accessory management module for: 801QA-0110

806XG-0110 RCXN - Module for managing CXN BUS accessories.



Accessories

001LOCK81 Single cylinder electric lock.

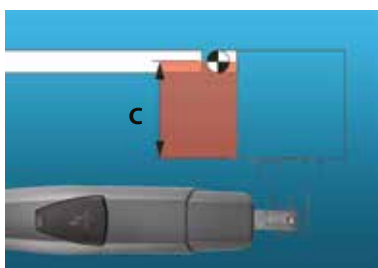


001LOCK82 Double cylinder electric lock.



Energy saving accessory for: 002ZL65 - 801QA-0050 - 801QA-0060

806XG-0160 Green Power module for reducing energy consumption in standby mode.



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-lobe key also has a completely new design, for greater ergonomics.



MONDRIAN

TUBULAR MOTORS WITH MECHANICAL LIMIT SWITCH

SEE THE AUTOMATIONS FOR AWNINGS,
SHUTTERS AND BLINDS CATALOGUE.

CAME 

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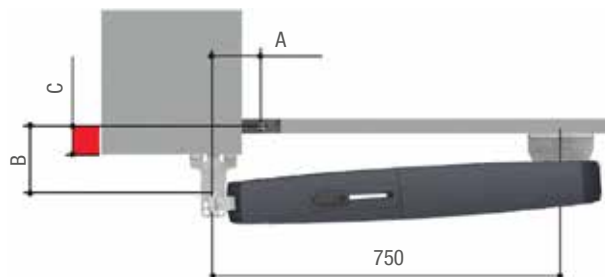
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 2.5 m	UP TO 250 kg	50%	60 mm

Solution for residential and apartment building installations

- 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.
- Set up 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 - 801QA-0120 - 801QA-0130

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.

Accessories for: 002ZL65 - 801QA-0050 - 801QA-0060

002RLB



Circuit board for emergency operation and battery charging.

Accessories for: 002ZL65

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.

Energy saving accessory for: 002ZL65 - 801QA-0050 - 801QA-0060

806XG-0160



Green Power module for reducing energy consumption in standby mode.

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.



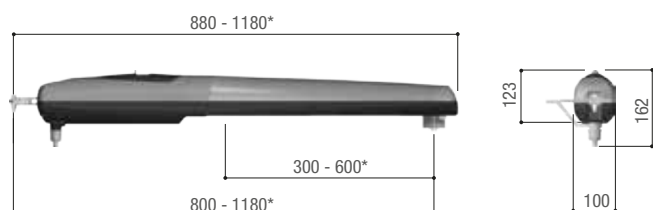
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 7 m	UP TO 1000 kg	HEAVY-DUTY	150 mm

High-performance solution for residential and apartment building applications

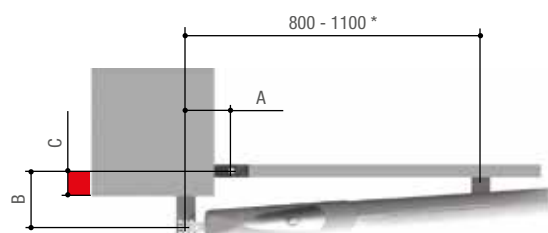
- Motor and encoder management with three-wire cable in 24 V DC versions.
- Supporting structure in die-cast aluminium.
- Ready for operation in case of power outage in the 24 V DC versions.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control 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
Max. weight of leaf (kg)	400	500	700	800
MODEL	AX71230			
Max. width of leaf (m)	7	6	5	4
Max. weight of leaf (kg)	300	350	400	500
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:

Leaves longer than 5 m should not be paneled.

In reversible versions, in case of strong winds when the gate is open, the gate leaf could close.

Technical characteristics

MODELS	AX3024	AX302304	AX312304	AX402306	AX412306	AX5024	AX71230
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)	24 DC	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	24 DC	230 AC 50/60 Hz
Absorption (A)	10 Max.	1,5	1,5	1,5	1,5	10 Max.	1,5
Power (W)	120	175	175	175	175	120	175
Maneuvering time at 90° (s)	ADJUSTABLE	20	20	28	28	ADJUSTABLE	40
Duty/cycle (%)	HEAVY-DUTY	50	50	30	30	HEAVY-DUTY	30
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

801QA-0120 ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0130 ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.



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.



Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65

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



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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.



Energy saving accessory for: 801QA-0050 - 801QA-0060

806XG-0160 Green Power module for reducing energy consumption in standby mode.



Accessories

001**LOCK81** Single cylinder electric lock.

001**LOCK82** Double cylinder electric lock.



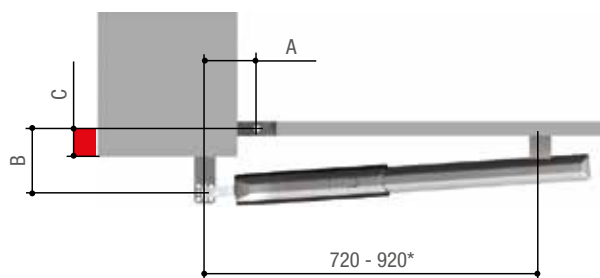
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 5 m	UP TO 1000 kg	INTENSIVE DUTY	120 mm



Solution for applications 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	CONTINUOUS DUTY	CONTINUOUS DUTY
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	
801QA-0110 	ZLX230P - Multifunctional control panel basic version, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, 2 safety inputs and storage for up to 250 users.
801QA-0120 	ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0130 	ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.
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.
002 ZL65 	Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding.
Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65	
002 RLB 	Circuit board for emergency operation and battery charging.
CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130	
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.
Energy saving accessory for: 801QA-0050 - 801QA-0060	
806XG-0160 	Green Power module for reducing energy consumption in standby mode.
BUS accessory management module for: 801QA-0110	
806XG-0110 	RCXN - Module for managing CXN BUS accessories.



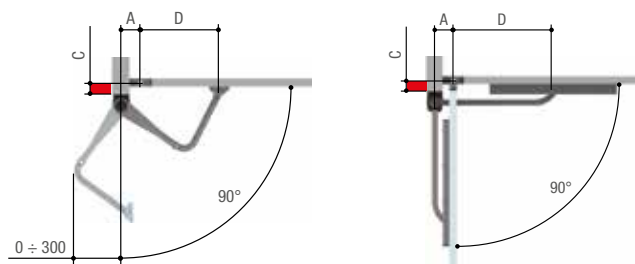
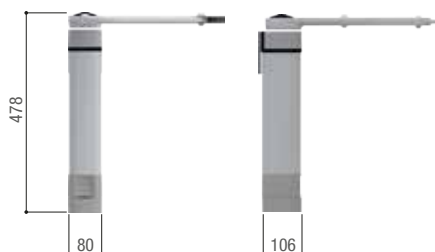
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 1.8 m	UP TO 150 kg	INTENSIVE USE	200 mm



Solution for fitting on narrow posts

- 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.
- Set up 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	HEAVY-DUTY
Torque (Nm)	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.



Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65

002RLB Circuit board for emergency operation and battery charging.



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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.



Energy saving accessory for: 801QA-0050 - 801QA-0060

806XG-0160 Green Power module for reducing energy consumption in standby mode.



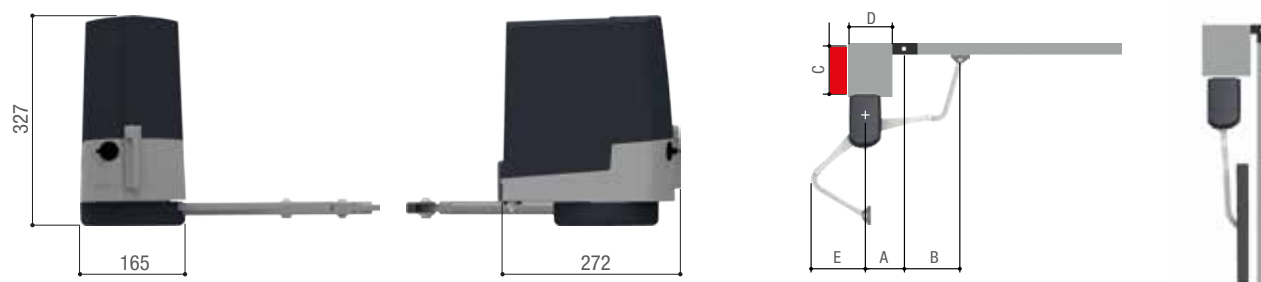
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 2 m	UP TO 250 kg	40 CYCLES/HOUR	250 mm

Solution for residential and apartment building applications with fast opening

- Encoder-based movement control.
- Control board with terminal blocks, display and storage for up to 250 users.
- Set up 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	Min. 150	310	150	250
90	160 ÷ 180	380	Min. 150	310	150	250
110	200 ÷ 220	400	Min. 150	310	50	50

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
Torque (Nm)	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

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 automations: 801MB-0130 - 801MB-0150

002 RLB	Circuit board for emergency operation and battery charging.
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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.
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Energy saving accessory for: 002ZL65 - 801QA-0050 - 801QA-0060

806XG-0160	Green Power module for reducing energy consumption in standby mode.
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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.



MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 2.3 m	UP TO 300 kg	30%	250 mm

Solution for applications 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.
- Set up for operation in case of power outage.
- Self-diagnosing safety devices.
- 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	250
90	160	380 (460*)	Min. 220	240 (320*)	200 (300*)	160	460	Min. 220	410	250
90	180	380 (460*)	Min. 240	240 (320*)	200 (300*)	180	460	Min. 240	410	250
110	220	380 (450*)	Min. 280	310 (400*)	50	220	470	Min. 280	410	50
110	240	380 (450*)	Min. 300	310 (400*)	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	1		
Max. weight of leaf (kg)	200	215	250	300		
Max. leaf opening (°)	110					

Technical characteristics

MODELS	FA70230	FA70230CB	FA7024	FA7024CB	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
Torque (Nm)	180	180	180	180	180	180
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.
230 V AC Control panels tested in compliance with standards EN 12453	
801QA-0110 	ZLX230P - Multifunctional control panel basic version, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, 2 safety inputs and storage for up to 250 users.
801QA-0120 	ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0130 	ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.
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.
24 V DC automation with max. C-distance of 250 mm tested in compliance with standards EN 12453	
801MB-0090 	FST23DLC - Irreversible 24 V operator, complete with control board with functions display, on-board wireless decoding and hinged transmission arm for swing gates with Max. C of 250 mm with leaves up to 2.3 m long that weighs up to 200 kg.
Gearmotors running on 24 V DC with max. C-distance of 250 mm tested in compliance with standards EN 12453	
801MB-0100 	FST23DLS - Irreversible 24 V operator with hinged transmission arm for swing gates with Max. C of 250 mm with leaves up to 2.3 m long 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.
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.



THE COMPLETE RANGE

Code Description

Accessories for: 001FA70230 - 001FA70230CB - 001FA7024 - 001FA7024CB

801XC-0070 Hinged arm for increasing to 300 mm the maximum C-distance.



Accessories for: 002ZL65

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.



Accessories for: 002ZL65 - 801QA-0050 - 801QA-0060

002RLB Circuit board for emergency operation and battery charging.



Accessories for: 002RLB

001LBF70 Batteries brace kit.



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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.



BUS accessory management module for: 801QA-0110

806XG-0110 RCXN - Module for managing CXN BUS accessories.



Energy saving accessory for: 001FA7024CB - 002ZL65 - 801QA-0050 - 801QA-0060

806XG-0160 Green Power module for reducing energy consumption in standby mode.



Accessories

001STYLO-BD Straight drive arm and track with mechanical opening limit-switch.



001LOCK81 Single cylinder electric lock.



001LOCK82 Double cylinder electric lock.



001H3000 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**

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CAME 

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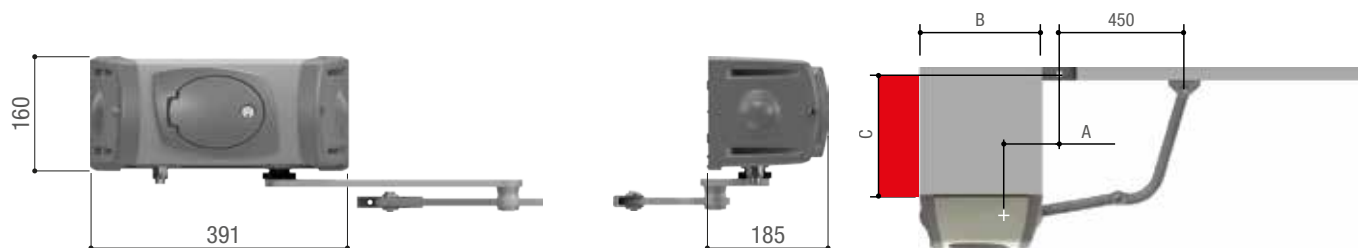
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	C MAX.
UP TO 4 m	UP TO 800 kg	HEAVY-DUTY	380 mm

High performance solution for applications 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	HEAVY-DUTY
Torque (Nm)	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

801QA-0120 ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0130 ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.



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.



Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65

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



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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: 001FE40230 - 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.



Energy saving accessory for: 801QA-0050 - 801QA-0060

806XG-0160 Green Power module for reducing energy consumption in standby mode.



MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	TYPE
UP TO 4 m	UP TO 800 kg	CONTINUOUS USE	UNDERGROUND



Advanced Brushless solution for residential or apartment buildings applications

- Invisible and fast Brushless solution for gate automation.
- Board equipped with CXN BUS connectors.
- Protection rating against weathering agents IP67.
- Foundation box in steel with anticorrosive treatment, or in AISI 304 stainless steel.
- Designed to perfectly replace old FROG installations.
- Integrated, adjustable mechanical limit switches.
- Opening up to 180° (with 801XA-0040 accessory).
- Set up 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	801MI-0030				
Max. length of leaf (m)	4	3,5	3	2,5	2
Max. weight of leaf (kg)	400	500	600	700	800

Technical characteristics

MODELS	801MI-0030
Protection rating (IP)	67
Power supply (V - 50/60 Hz)	24 DC
Power supply to motor (V)	24 DC
Absorption (A)	15
Power (W)	200
Maneuvering time at 90° (s)	10-18
Cycles/Hour	CONTINUOUS DUTY
Torque (Nm)	300
Operating temperature (°C)	-20 ÷ +55

Code

Description

Underground 24 V DC operators

801MI-0030



FRG40DGX - Irreversible 24 V brushless underground operator with native encoder, Adaptive Speed & Torque Technology, motion management, obstacle detection and adjustable closing leaf stop for swing gates with leaves up to 4 m and 400 kg weight. FROG-X is driven by the dedicated control panel 801QA-0170.



Control panels for 24 V gearmotors

801QA-0170



ZLB24SA - Multifunction control panel, with 230 V AC power supply, for 24 V FROG-X brushless gearmotor, with graphic programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety and storage inputs up to 1000 users. The control panel is specifically designed for FROG-X, and cannot be used on other swing motors.



24 V accessories for control panels

801XC-0250



Circuit board for emergency operation and battery charging.



CXN BUS interface for control panels

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

001FROG-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.



001FROG-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.



001LOCK81

Single cylinder electric lock.



001LOCK82

Double cylinder electric lock.



001A4364

Release device with lever key.



001A4365

Release device with trilobe key.



801XA-0030

Unlocking device with custom key and EURO-DIN cylinder equipped with anti-lock system.



001A4370

Transmission lever for openings up to 140°.



801XA-0040

180° opening transmission kit for FROG-X.



Energy saving accessory for: 801QA-0170

806XG-0160



Green Power module for reducing energy consumption in standby mode.



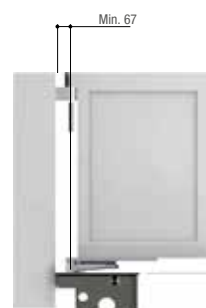
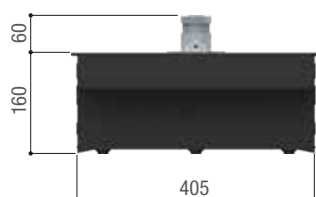
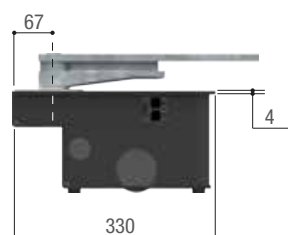
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	TYPE
UP TO 3.5 m	UP TO 800 kg	HEAVY-DUTY	UNDERGROUND

Solution for applications 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)



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	HEAVY-DUTY
Cycles/Hour	11	11	-	-	-
Torque (Nm)	320	320	240	320	320
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	-	-

Code Description

230 V AC underground gearmotors	
001 FROG-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.
001 FROG-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	
801QA-0110 	ZLX230P - Multifunctional control panel basic version, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, 2 safety inputs and storage for up to 250 users.
801QA-0120 	ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0130 	ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.
Underground 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453	
001 FROG-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	
801QA-0120 	ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0130 	ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.
Underground 24 V DC operators	
001 FROG-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.
Underground, 24 V DC operators, tested in compliance with regulatory standards EN 12453	
001 FROG-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.
Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65	
002 RLB 	Circuit board for emergency operation and battery charging.
CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130	
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.
BUS accessory management module for: 801QA-0110	
806XG-0110 	RCXN - Module for managing CXN BUS accessories.



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.



Energy saving accessory for: 801QA-0050 - 801QA-0060

806**XG-0160** Green Power module for reducing energy consumption in standby mode.



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.



801**XA-0030** Unlocking device with custom key and EURO-DIN cylinder equipped with anti-lock system.



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



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



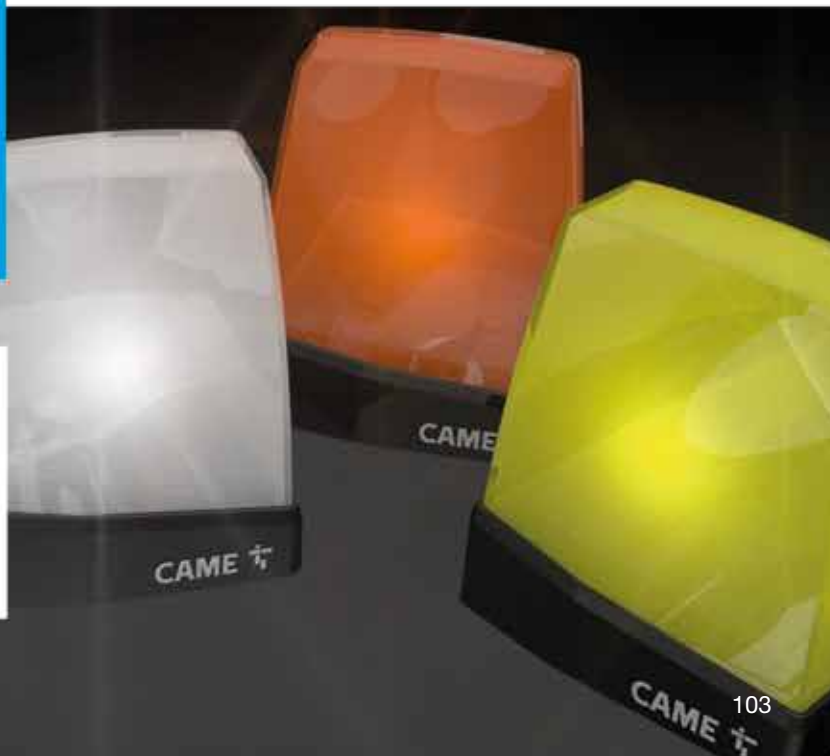
KRX

**FLASHING LIGHT WITH
LED LIGHT AVAILABLE
IN 3 COLORS AND IN
BUS VERSION**

FIND OUT MORE ON PAGE 224

CAME 

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



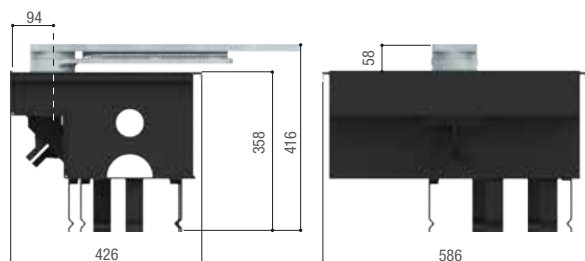
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	TYPE
UP TO 7 m	UP TO 1000 kg	10 CYCLES/HOUR	UNDERGROUND



High-performance solution for applications for industrial use

- 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)



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
Torque (Nm)	800	800
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150


Code	Description
------	-------------

230 V AC underground 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	Unlocking device with custom key and EURO-DIN cylinder equipped with anti-lock system.
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.



SUPER FROG

SWING GATE AUTOMATION



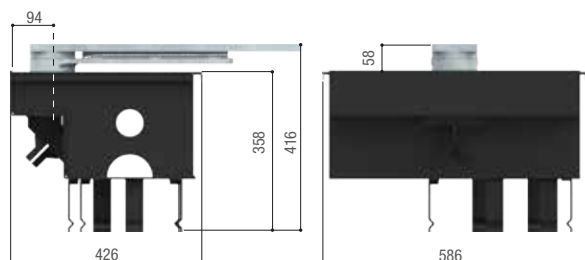
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE	TYPE
UP TO 8 m	UP TO 1500 kg	50%	UNDERGROUND

Solution for special applications for industrial use

- 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)



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
Torque (Nm)	1000	1000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

● 230 – 400 V AC THREE PHASE

Code	Description
------	-------------

230 - 400 V AC three-phase underground 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

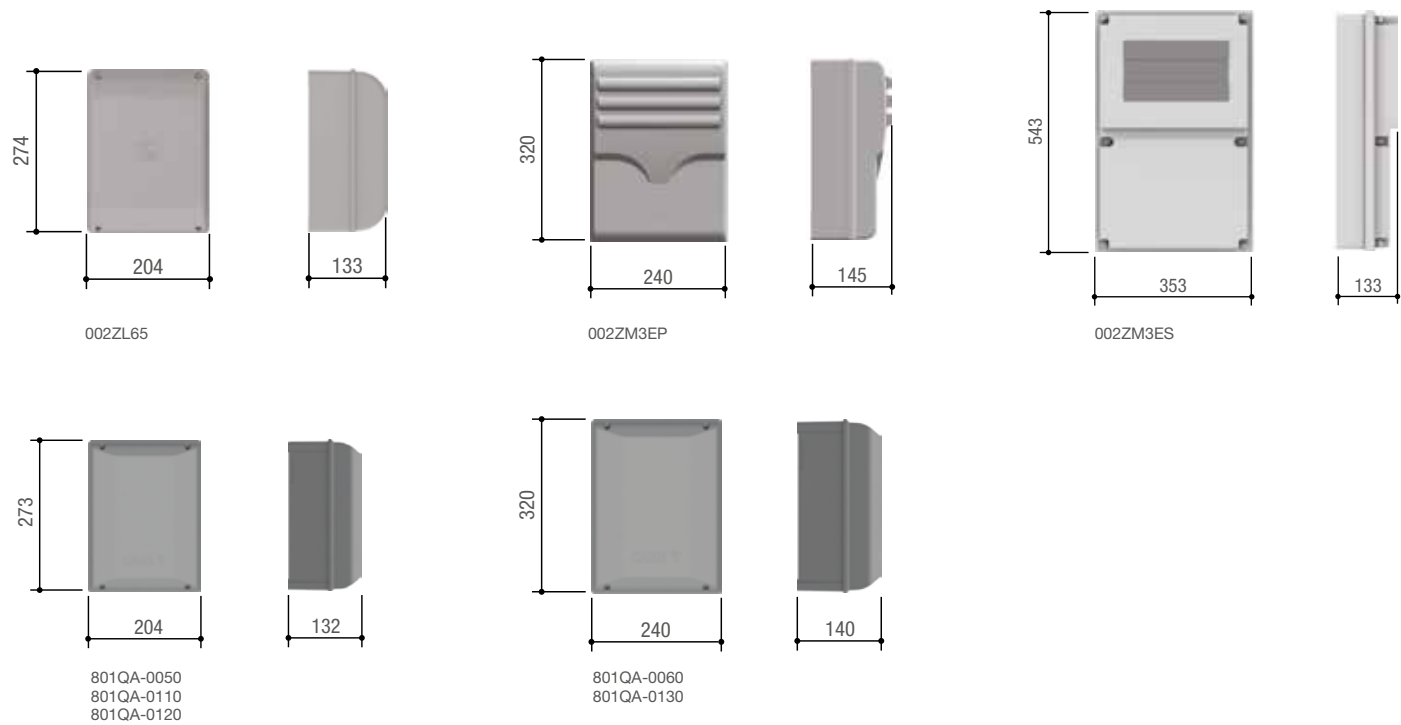
001 FROG-CD	Right-hand, steel cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.
--------------------	--

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.

	<div>+24</div>				<div>+24</div>	<div>+24</div>		<div>T</div>	<div>+24</div>
Models / Series	FROG-X	ATS ATI FAST FERNI FROG	ATS ATI AXO FAST FERNI FROG	ATS ATI AXO FAST FERNI FROG	AXI ATS ATI AXO STYLO FAST FERNI FROG	AXI ATS ATI AXO STYLO FAST FERNI FROG	FROG PLUS	SUPER FROG	AXI ATS ATI FTX FAST
Control board / Control panel	801QA-0170	801QA-0110	801QA-0120	801QA-0130	801QA-0050	801QA-0060	ZM3EP	ZM3ES	ZL65
Security									
SELF-DIAGNOSING safety decives	●	●	●	●	●	●	●	●	●
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	●	●	●	●	●	●	●	●	●
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	●	●	●	●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●
Dynamic AUTOMATIC CLOSING TIME	●	●	●	●					
OPENING and/or CLOSING slow downs	●	●	●	●	●	●	●		●
EMERGENCY BATTERY operation (optional)					●	●			●
Adjustable GATE TRAVEL and SLOW DOWN speeds					●	●	●		●
Adjustable SLOW DOWN SPEED	●	●	●	●					
DISPLAY	●	●	●		●				●
Graphic DISPLAY				●		●	●	●	
SELF-LEARNING opening and closng limit-switches			●***	●***	●	●	●		●
Compatible with CONNECT technology	●	●	●	●	●	●	●	●	●
Designed to fit RIO System 2.0	●	●	●	●	●	●			●
CRP control	●	●	●	●	●	●	●	●	●
ENERGY SAVING management control (Green Power module)					●	●			●
CXN BUS	●**	●**	●	●	●	●			
Adaptive Speed & Torque Technology					●	●			
Slot CAME Key	●	●	●	●	●	●			
TIMER control				●		●			
Possibility of managing two different motors						●			
DTC - Digital Torque Control	●	●	●	●					
MODBUS OPEN PROTOCOL	●	●	●	●	●	●			

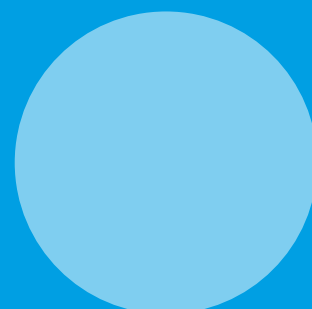
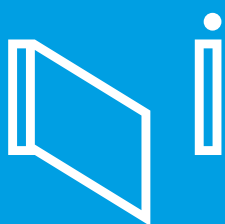
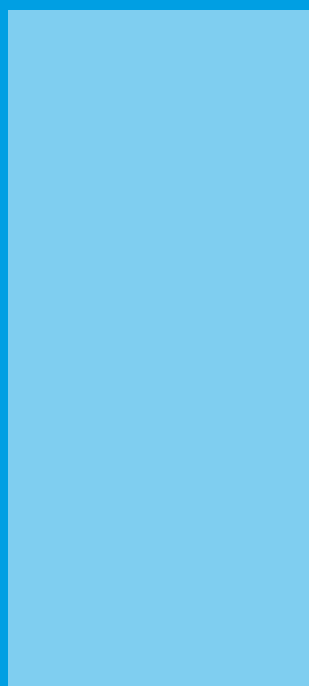
● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

NOTES:

** with accessory 806XG-0080.

*** with encoder activated.

CONTROL BOARDS



112	COMPATIBILITY TABLES
114	ZLX24
116	ZLX230

Compatibility

24 V gearmotors

STRAIGHT ARM 24 V DC	ZLX24SA • ZLX24MA			
	ATS	ATI	AXO	AXI
				
	801MP-0070 801MP-0080 801MP-0110	001A3024N 001A5024N	001AX3024 001AX5024	801MP-0030 801MP-0040
ARTICULATED ARM 24 V DC	ZLX24SA • ZLX24MA			
	FTX	FAST	FERNI	STYLO
				
	801MB-0050	001FA7024 801MB-0100	001FE4024 001FE4024V	001STYLO-ME 001STYLO-RME
UNDERGROUND 24 V DC	ZLX24SA • ZLX24MA		ZLB24SA	
	FROG		FROG-X	
				
	001FROG-A24 001FROG-A24E		801MI-0030	



Adaptive Speed and Torque Technology

Adaptive Speed and Torque Technology (AST) is the advanced firmware feature that dynamically optimizes speed and torque, adjusting motor thrust based on gate feedback to ensure smooth and consistent movement. During installation, parameters such as the sensitivity of the AST are set. Firmware continuously monitors gate operation and adjusts torque with each cycle, ensuring accurate and reliable performance.

Compatibility

230 V gearmotors

STRAIGHT ARM 230 V AC	ZLX230M • ZLX230S AXO  001AX302304 001AX402306 001AX412306 001AX71230	ZLX230P • ZLX230M • ZLX230S ATS  801MP-0050 801MP-0060 801MP-0090 801MP-0100	ATI  001A3000 001A3000A 001A3006 001A5000 001A5000A 001A5006
	ZLX230M • ZLX230S FERNI  001FE40230 001FE40230V	ZLX230P • ZLX230M • ZLX230S FAST  001FA70230	
UNDERGROUND 230 V AC	ZLX230M • ZLX230S FROG  001FROG-AE	ZLX230P • ZLX230M • ZLX230S FROG  001FROG-A 001FROG-AV	

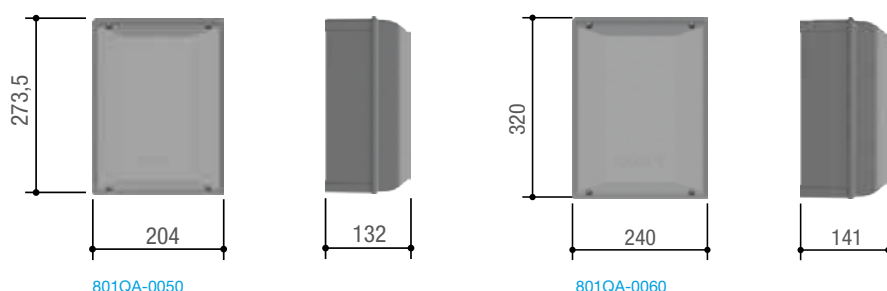




ZLX24 is the universal control panel for 24 V motors for swing gates

- Adaptive Speed and Torque Control (AST) and Virtual Encoder
- Encoder management
- CNX BUS inputs
- 4 configurable safety inputs (2 on ZLX24MA)
- CAME KEY slot and Wi-Fi Gateway
- RIO System 2.0
- B1-B2 output (ZLX24SA only)
- Integrated Clock (ZLX24SA only)
- 250 users (ZLX24MA) or 1000 users (ZLX24SA)

Dimensions (mm)



Functions

MODELS	801QA-0050	801QA-0060
Configurable safety inputs	2	4
CNX BUS inputs	Yes	Yes
Output B1-B2	No	Yes
RIO System 2.0	Yes	Yes
Slot for CAME KEY and CAME gateway	Yes	Yes
Adaptive speed and torque control	Yes	Yes
Virtual encoder management	Yes	Yes
Number of users	250	1000
Timer management	No	Yes
PCB plastic cover	No	Yes
Management of 2 different motors	No	Yes
Modbus Open Protocol	Yes	Yes


Technical characteristics

MODELS	801QA-0050	801QA-0060
Protection rating (IP)	54	
Power supply (V - 50/60 Hz)	230 AC	
Power supply to motor (V)	36 DC	
Power (W)	360	
Operating temperature (°C)	-20 ÷ +55	


THE COMPLETE RANGE

Code Description

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.




Control boards

001**AF43S** 433,92 MHz plug-in radio frequency card.



001**AF868** 868.35 MHz plug-in radio frequency card.




806SS-0040
 RIOCN8WS - Snap-in, radio-based control module for managing wireless accessories.



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




Wi-Fi gateway and Bluetooth switch

806SA-0140
 WIFI GATEWAY - Gateway to connect the automation to the cloud via Wi-Fi or locally via Bluetooth selector (50 users)



Accessory for local programming

806SA-0110
 CAME KEY - Smart interface for local setting of automation via App.




Accessory for integration with third-party systems for: 801QA-0050

803XC-0020 Modbus TCP/RTU bridge for integration with third party systems.




Energy saving accessory for: 801QA-0050 - 801QA-0060

806XG-0160
 Green Power module for reducing energy consumption in standby mode.



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.

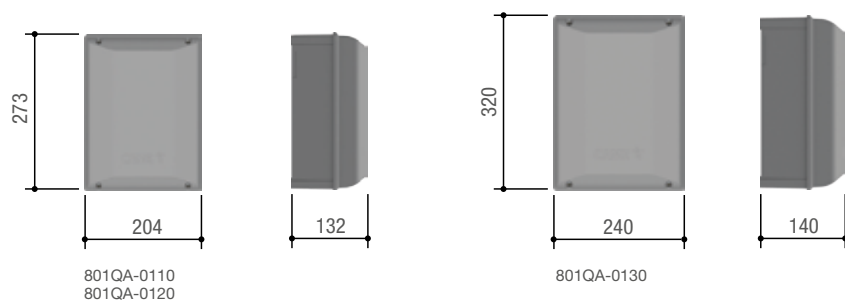




ZLX230 is the universal control panel for 230V motors for swing gates

- CNX BUS inputs (on ZLX230M and ZLX230S)
- B1-B2 outputs (ZLX230S only)
- 4 configurable safety inputs (2 on ZLX230M and ZLX230P)
- RIO System 2.0
- CAME KEY slot and Wi-Fi Gateway
- Digital Torque Control (DTC)
- 250 users (ZLX230M and ZLX230P) or 1000 users (ZLX230S)
- Encoder management (ZLX230M and ZLX230S)
- Integrated Clock (ZLX230S only)

Dimensions (mm)



Functions

MODELS	801QA-0110	801QA-0120	801QA-0130
Configurable safety inputs	2	2	4
CNX BUS inputs	Yes (with accessory 806XG-0110)	Yes	Yes
Output B1-B2	No	No	Yes
RIO System 2.0	Yes	Yes	Yes
Slot for CAME KEY and CAME gateway	Yes	Yes	Yes
Adaptive speed and torque control	No	No	No
Virtual encoder management	No	No	No
Number of users	250	250	1000
Timer management	No	No	Yes
PCB plastic cover	No	No	Yes
Management of 2 different motors	No	No	Yes
Digital Torque Control (DTC)	Yes	Yes	Yes
Encoder/ limit switch input	No	Yes	Yes
Adaptive automatic closing time	Yes	Yes	Yes


Technical characteristics

MODELS	801QA-0110	801QA-0120	801QA-0130
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	220 AC ÷ 240 AC	220 AC ÷ 240 AC	220 AC ÷ 240 AC
Power supply to motor (V)	220 AC ÷ 240 AC	220 AC ÷ 240 AC	220 AC ÷ 240 AC
Power (W)	1100	1100	1100
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55


THE COMPLETE RANGE

Code Description


Control panels for 230 V DC operators tested in compliance with standards EN 12453

801QA-0110
 ZLX230P - Multifunctional control panel basic version, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, 2 safety inputs and storage for up to 250 users.



801QA-0120
 ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0130
 ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.




Control boards

001**AF43S** 433,92 MHz plug-in radio frequency card.



001**AF868** 868.35 MHz plug-in radio frequency card.




806SS-0040
 RIOCN8WS - Snap-in, radio-based control module for managing wireless accessories.



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




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.




BUS accessory management module for: 801QA-0110

806XG-0110
 RCXN - Module for managing CXN BUS accessories.




Wi-Fi gateway and Bluetooth switch

806SA-0140
 WIFI GATEWAY - Gateway to connect the automation to the cloud via Wi-Fi or locally via Bluetooth selector (50 users)




Accessory for local programming

806SA-0110
 CAME KEY - Smart interface for local setting of automation via App.

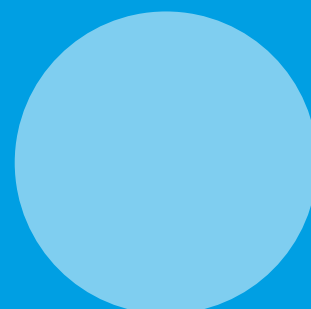


Accessory for integration with third-party systems

803XC-0020
 Modbus TCP/RTU bridge for integration with third party systems.



GARAGE DOOR AUTOMATION



120	SELECTION GUIDE
122	STANDARD INSTALLATION
126	VER PLUS
128	VER
130	EMEGA
133	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.

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.



COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR



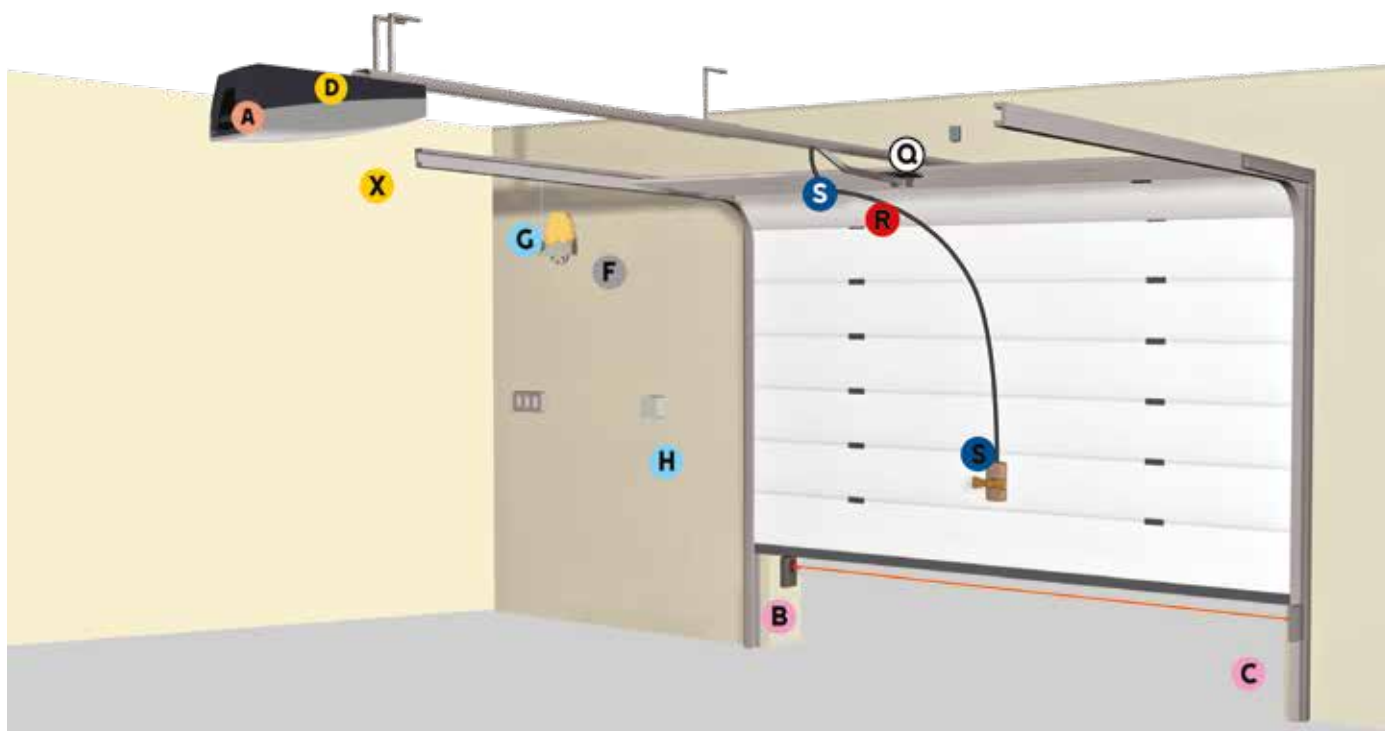
COMPONENTS

- 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

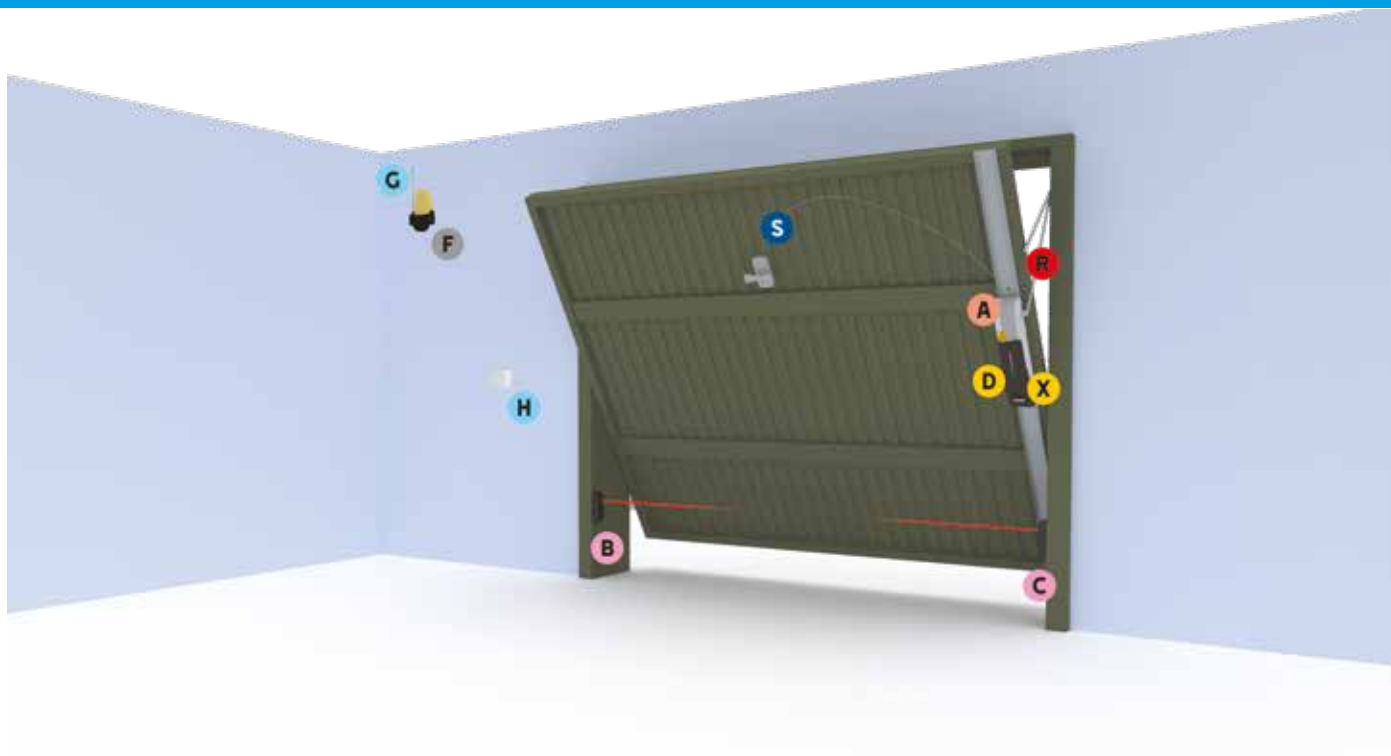
- A** Operator (gearmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- Q** Junction box
- R** Drive levers
- S** Pull-cord release device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



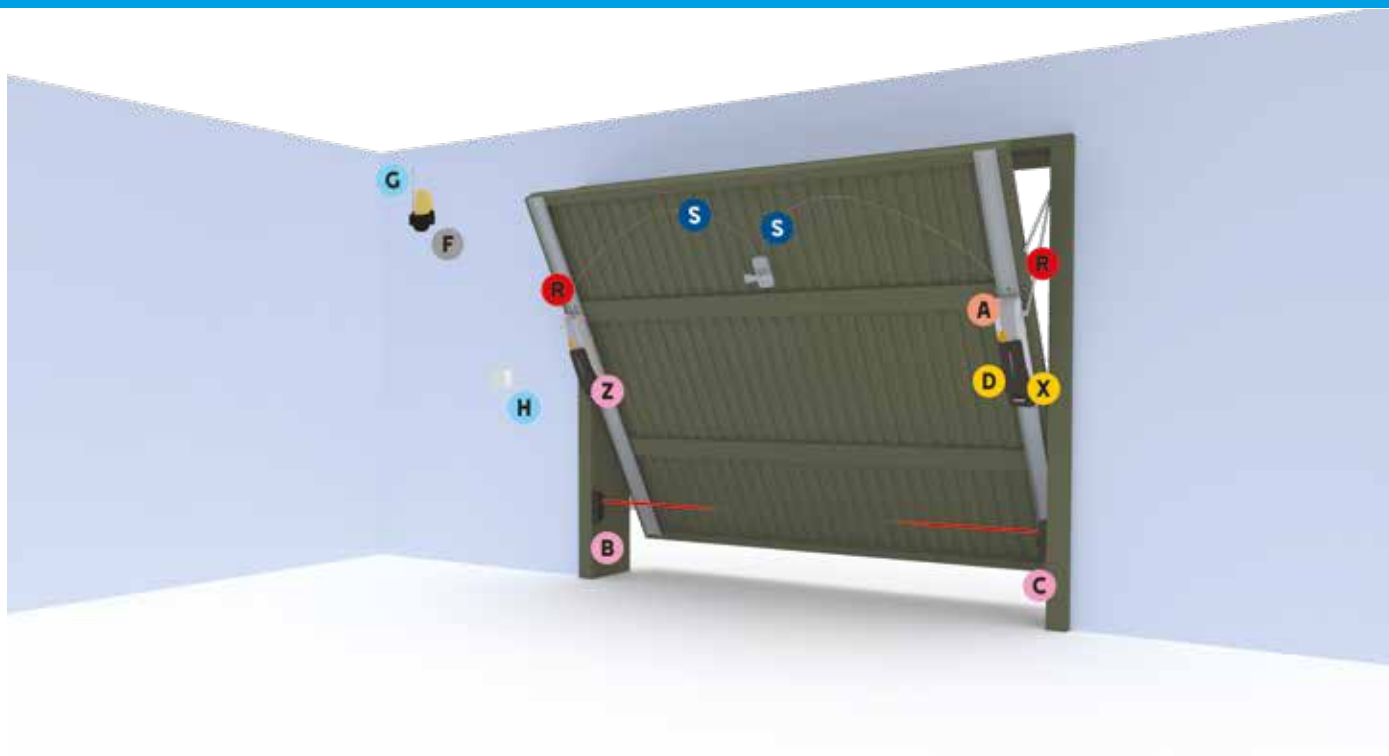
COMPONENTS

- **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



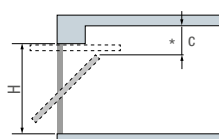
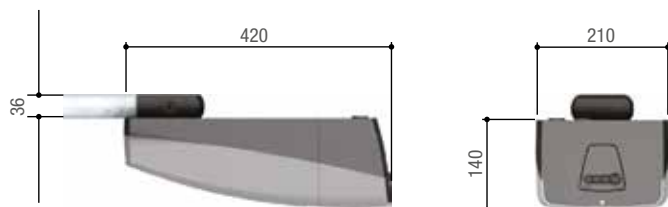
MAXIMUM DOOR SURFACE	PULL STRENGTH	USE	TYPE/APPLICATION
21 m ²	1300 N	30 CYCLES/HOUR	PULLING

Operator for sectional or overhead garage doors for use in private homes and industrial plants

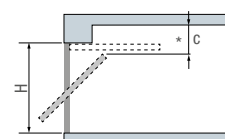
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display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



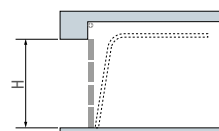
Dimensions (mm)



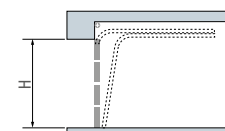
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



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
Max. traction force (N)	1000	1300

Technical characteristics

MODELS	801MV-0010	801MV-0020
Protection rating (IP)	40	40
Power supply (V - 50/60 Hz)	230	230
Power supply to motor (V)	24	24
Power (W)	180	280
Maneuvering speed (m/min)	7	7

● 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 two 12 V - 0.8 Ah batteries).

Accessories

001V122

Long transmission arm for sectional doors.

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.

Energy saving accessory for: 801MV-0010 - 801MV-0020

806XG-0160



Green Power module for reducing energy consumption in standby mode.

Accessory for local programming

806SA-0110



CAME KEY - Smart interface for local setting of automation via App.



Note

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

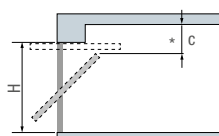
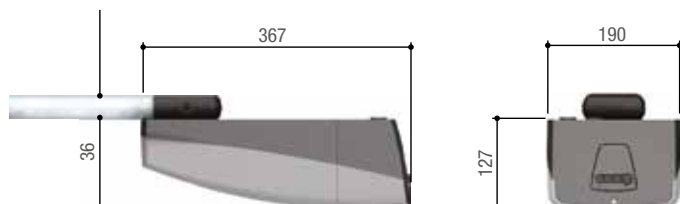
MAXIMUM DOOR SURFACE	PULL STRENGTH	USE	TYPE/APPLICATION
12 m ²	800 N	10 CYCLES/HOUR	PULLING

Operator for sectional and overhead garage doors for use in private homes

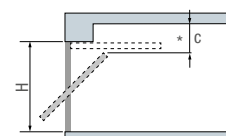
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display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



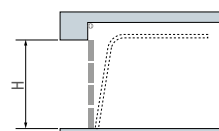
Dimensions (mm)



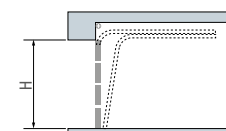
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



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

001V121

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

001V122

Long transmission arm for sectional doors.

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. height door:
BC = 2.4 m - BM = 2.25 m - STA = 2.1 m - STB = 2.2 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.

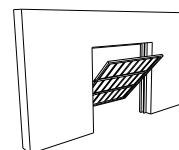
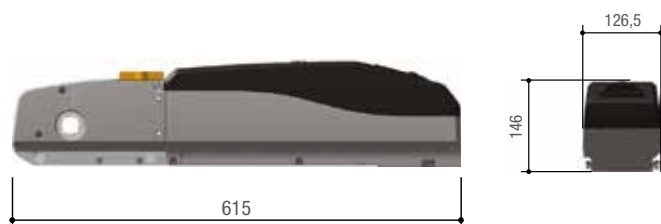
MAXIMUM DOOR SURFACE	SPEED	USE	TYPE/APPLICATION
14 m ²	ADJUSTABLE	HEAVY-DUTY	ON THE DOOR



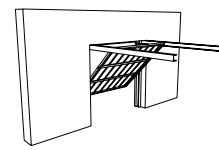
Operator with direct fixing on the garage door

- 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.

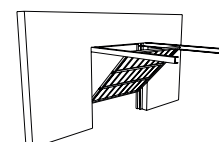
Dimensions (mm)



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 operator + 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	HEAVY-DUTY
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Code Description

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

001**EM4024CB**



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

001**EM4024**



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



Accessories for: 001EM4024CB

002**LBEM40**



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



Accessories for: 001EM4024

001**EM4001**



LED control card for the courtesy light.



Accessories

001**E001**

Anchoring base L = 2 m.



001**E002**

Fixing base L = 2.5 m.



001**V121**

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



001**E781A**

Accessories for fitting the lateral reset.



001**E782A**

Square transmission tube 25 x 25 mm L = 2m.



001**E783**

Pair of folding drive arms.



001**E784**

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



001**E785A**

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



001**E786A**

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



001**E787A**

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



Energy saving accessory for: 001EM4024CB

806**XG-0160**



Green Power module for reducing energy consumption in standby mode.



NOTES:

002LBEM40 - Two 12 V – 1.3 Ah batteries (not supplied), on the 001EM4024CB 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
Security			
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 SAVING management control (Green Power module)	●		

● 24 V DC

Note

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

AUTOMATIC BARRIERS



136	SELECTION GUIDE
138	STANDARD INSTALLATION
144	GARD PX
148	GARD GT4
154	GARD GT8
160	GARD LS4
166	GARD LS6
170	GARD 12
172	UNIPARK
174	CAT
176	ELECTRONIC BOARDS 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 GT4	803BB-0160	5
GARD GT4	803BB-0280	5
GARD GT4	803BB-0240	5
GARD GT4	803BB-0260	5
GARD LS6	803BB-0490	6,5
GARD LS6	803BB-0510	6,5
GARD LS6	803BB-0520	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

Technical characteristics

	Max. net clearance width (m)					
	3,8 m	3,8 m	5 m	6,5 m	7,8 m	12 m
Models	GARD PX	LS4	GT4	LS6	GT8	G12000
MCBF (Mln)	10	1.5	3	1.5	3	600000
Duty cycle	Continuous	300 c/h	350 c/h	160 c/h	160 c/h	50%
Skirt	-	●	●	●	●	-
Full-height skirt	-	-	●	-	●	-
Boom light	Red/Green	Red/Green	Red/Green	Red/Green	Red/Green	-
Barrier light	Red/Green	Red/Green	Red/Green	Red/Green	Red/Green	-
Release system	●	●	●	●	●	-
Articulated arm	●	●	●	-	-	-
Electric lock	-	-	●	-	●	-
Road sign support	-	-	●	-	●	-
CAME CONNECT	●	●	●	●	●	-
MODBUS OPEN PROTOCOL	●	●	●	●	●	-
Open/closed position contact	●	Optional	●	Optional	●	-
Stainless steel cabinet	-	AISI 304	AISI 304/316	AISI 304	AISI 304/316	-
Customized RAL color	●	●	●	●	●	-
Heating	●	●	●	●	●	-
Emergency batteries	●	●	●	●	●	●

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.



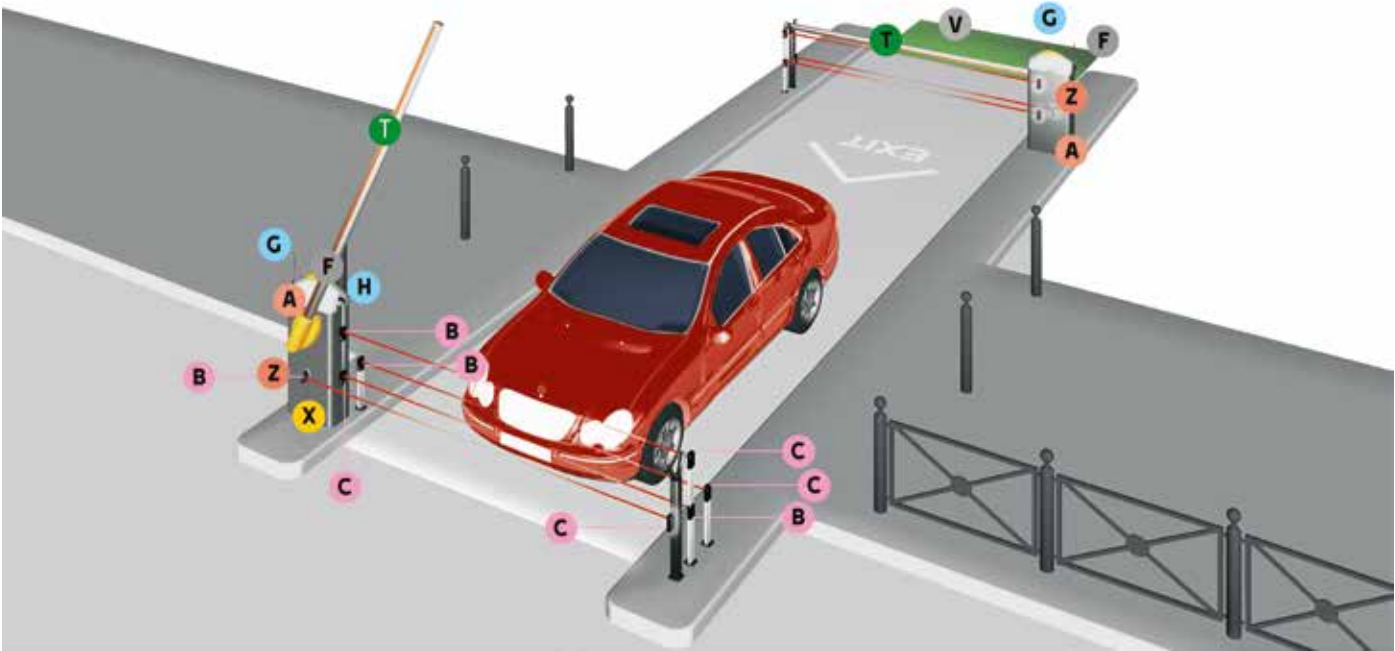
FOR SINGLE PARKING SPACES

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

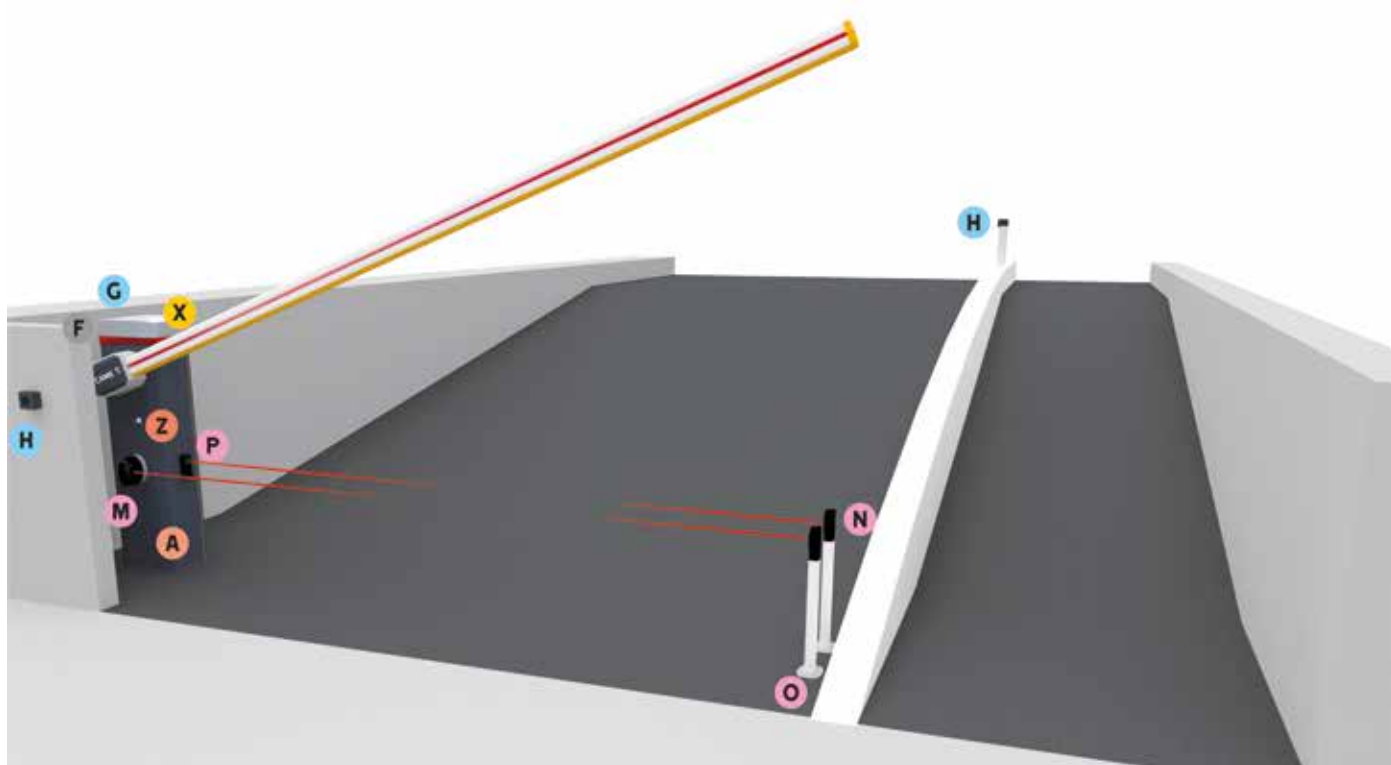
Metal mass detector sensor
- Z

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.



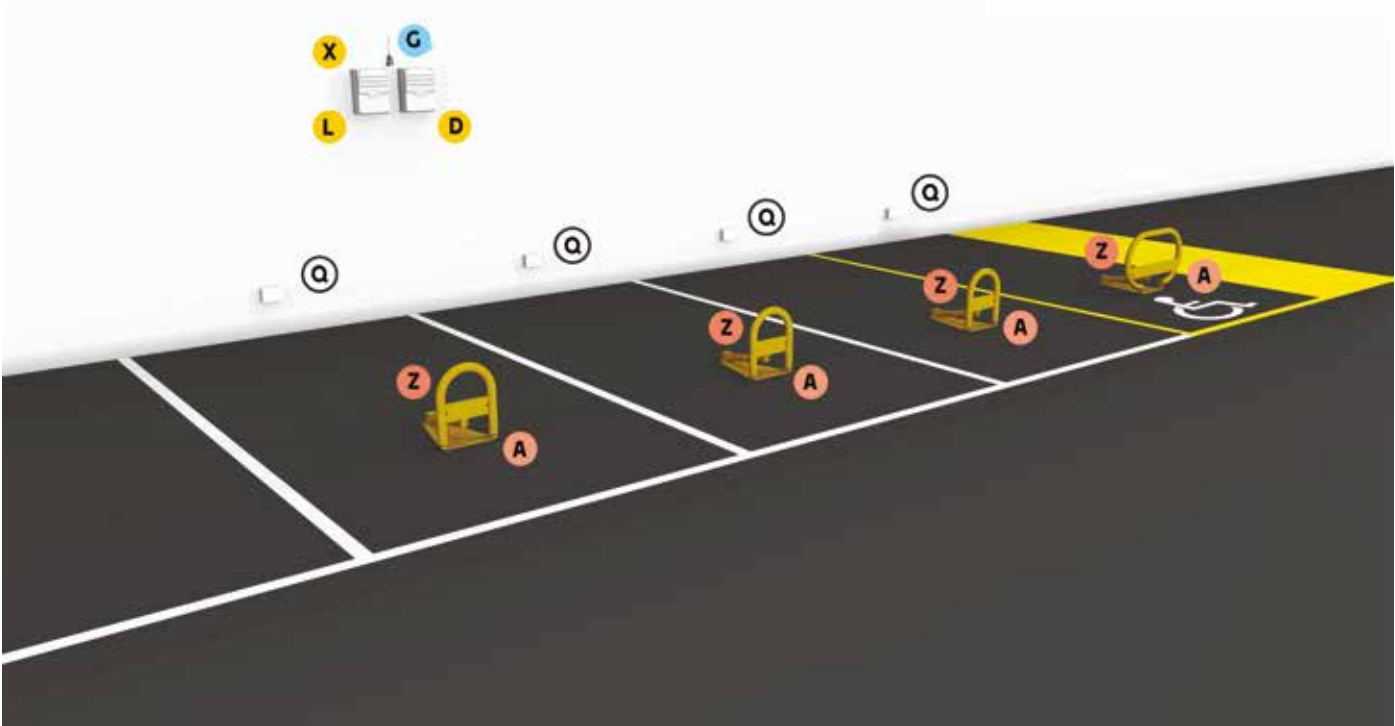
COMPONENTS

- | | |
|--|-------------------------------|
| 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

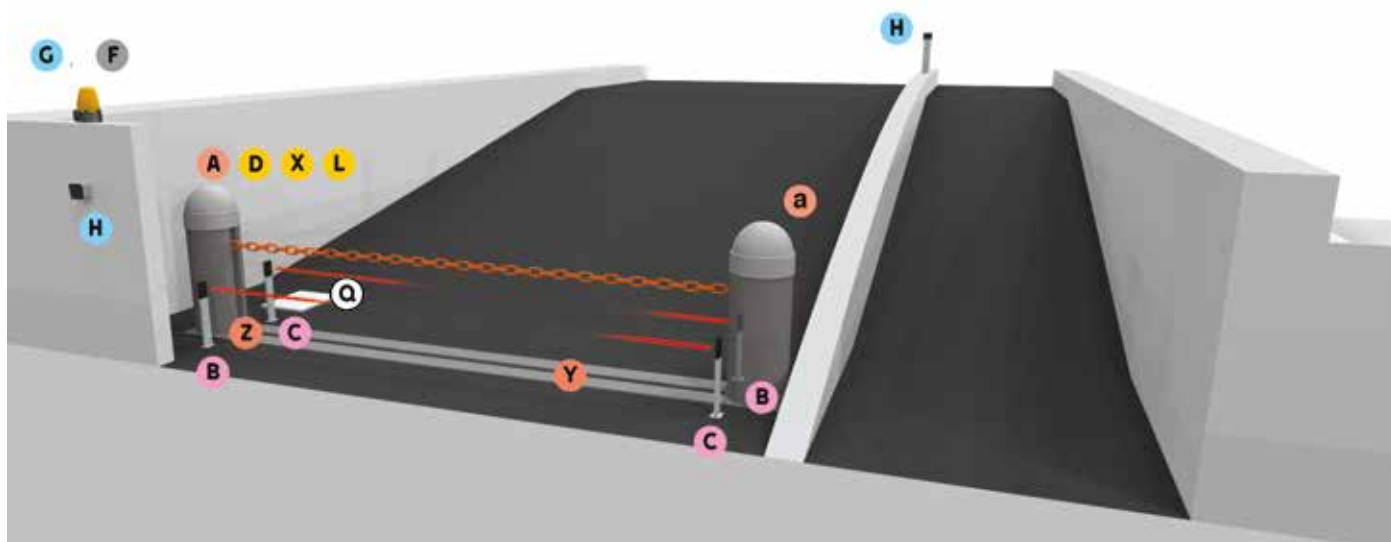
 Radio frequency card
- Z

 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

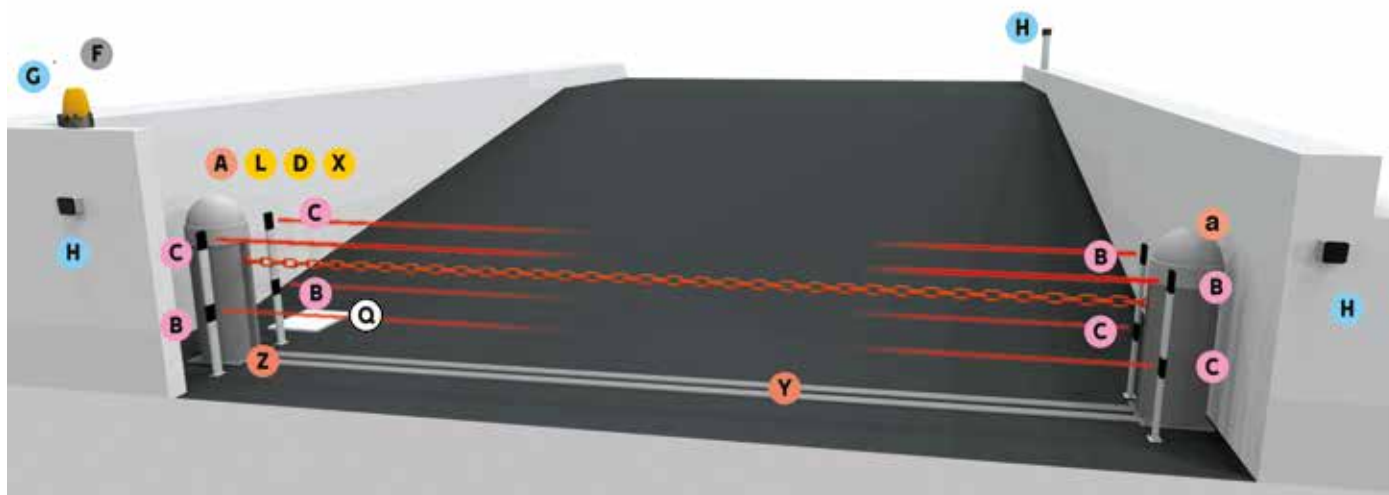
- | | |
|--|---|
| A Post with gearmotor | H Control switch
(Key – Code – Card or transponder fob) |
| a Post with counter-weight and chain latch | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| D Control card for operating during power outages | 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.



GARD LS6

**PERFORMANCE
MEETS DESIGN**

FIND OUT MORE ON PAGE 166

CAME 

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



GARD PX

AUTOMATIC BARRIERS



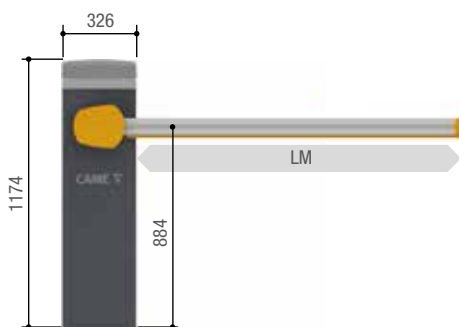
PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 3.8 m	10 MILLION CYCLES	CONTINUOUS DUTY	FROM 1 TO 2 SEC



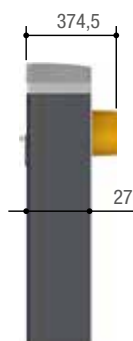
Specific solution with brushless technology for parking facilities and intensive duty cycles

- 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-0100	803BB-0120
Max. net clearance width (m)	3,8	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 DUTY
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: 4.05 m.



803XA-0051

White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 3.05 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-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 boom up to 2 m long.

803XA-0190 Connection kit between LED strips for boom with joint.

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 at 24 V for detecting metal masses.

009**SMA2** Double-channel magnetic sensor at 24 V for detecting metal masses.

806XG-0140 Opening and presence detector with FMCW technology. Three detection areas can be set via App. EN 12453 (Device D).



Accessories for: 806XG-0140

806XG-0150 Support for FMCW opening and presence detector for barriers.



Accessory for local programming

806SA-0110 CAME KEY - Smart interface for local setting of automation via App.





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 GT4

AUTOMATIC BARRIERS



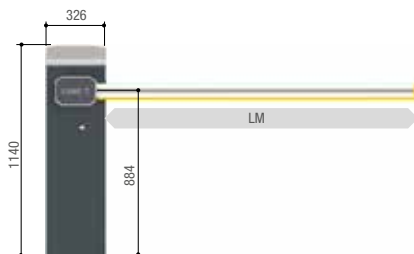
PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 5 m	3 MILLION CYCLES	350 CYCLES/HOUR	FROM 2 TO 6 SEC



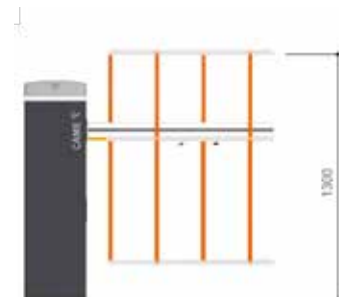
Designed for heavy use and high traffic flows

- 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 @ 55°C	350	350	350	350
Cycles/Hour @ 60°C	300	300	300	300
Operating temperature (°C)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)
RAL color	7024	RAL X	-	-

● 24 V DC

Code	Description
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230 V AC barriers with encoder and 24 V DC operator and built-in control panel	
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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.
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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.
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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.
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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.
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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: 4,22 m.
803XA-0640	White painted aluminum modular boom, consisting of: no. 2 booms 90 x 60 L = 2610 mm, joint, internal reinforcement, hollow cover profiles and shockproof 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.
803XA-0680	Anti-shift bracket between wardrobe and rack.
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 boom up to 2 m long.
803XA-0190	Connection kit between LED strips for boom with joint.
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.



009SMA Single-channel magnetic sensor at 24 V for detecting metal masses.



009SMA2 Double-channel magnetic sensor at 24 V for detecting metal masses.



806XG-0140 Opening and presence detector with FMCW technology. Three detection areas can be set via App. EN 12453 (Device D).



Accessories for: 806XG-0140

806XG-0150 Support for FMCW opening and presence detector for barriers.

EN12453 command and safety detector (type E)

806XG-0030 Opening and safety detector with laser technology. Two detection areas settable by infrared transmitter. EN12453 (Device E).



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.

Accessory for local programming

806SA-0110 CAME KEY - Smart interface for local setting of automation via App.

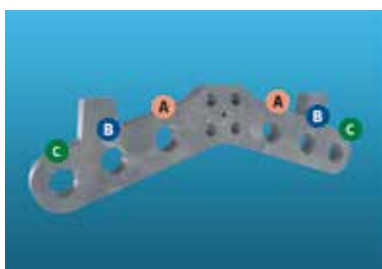


Video entry system kit

8K40AD-004 MTMAKCONNECT - Entry system kit with MTMA/Connect module equipped with a call button. Connected to CAME automations, it acts as a 4G gateway, enabling connection to the CAME Connect cloud. Complete with accessories in anti-vandal version and black painted aluminum support post.



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	-	-	-
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 GT8

AUTOMATIC BARRIERS



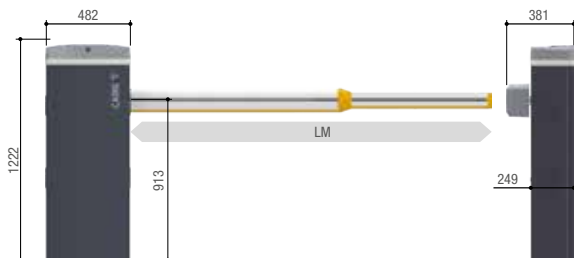
PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 7.8 m	3 MILLION CYCLES	160 CYCLES/HOUR	FROM 4 TO 8 SEC



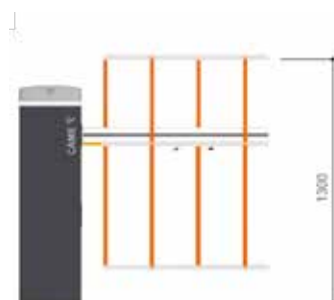
Ideal solution for apartment blocks and industrial plants

- 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	803BB-0220
Max. net clearance width (m)	7,8	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 @ 55°C	160	160	160	160
Cycles/Hour @ 60°C	80	80	80	80
Operating temperature (°C)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)	-20 ÷ +60 (-40 with item 001PSRT01)
RAL color	7024	RAL X	-	-

● 24 V DC

Code	Description
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230 V AC barriers with encoder and 24 V DC operator and built-in control panel	
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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.
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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.
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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.
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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.
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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: 4,34 m.	
803XA-0410	White painted aluminum boom 130 x 85 mm, complete with internal reinforcement, hollow covering profiles and shockproof rubber profile. Length: 6.35 m.	
803XA-0420	White painted aluminum modular boom, complete with cap, composed by: no. 1 boom 90 x 60 L = 4.22 m, no. 1 boom 130 x 85 L = 4.34 m, hollow cover profiles and shockproof 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-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.	
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

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

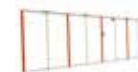
001**G02807** Fixed rest.



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 pivoting 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-0680 Anti-shift bracket between wardrobe and rack.



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 skirt: Max. 2 modules for 4-meter boom; Max. 3 modules for 6-meter boom; - 4 modules up to max. 7-meter boom.
803XA-0350 - Full height skirt: Max. 2 modules for 4-meter boom; Max. 3 modules for 6-meters 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.



009SMA Single-channel magnetic sensor at 24 V for detecting metal masses.



009SMA2 Double-channel magnetic sensor at 24 V for detecting metal masses.



806XG-0140 Opening and presence detector with FMCW technology. Three detection areas can be set via App. EN 12453 (Device D).



Accessories for: 806XG-0140

806XG-0150 Support for FMCW opening and presence detector for barriers.



EN12453 command and safety detector (type E)

806XG-0030 Opening and safety detector with laser technology. Two detection areas settable by infrared transmitter. EN12453 (Device E).



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.



Accessory for local programming

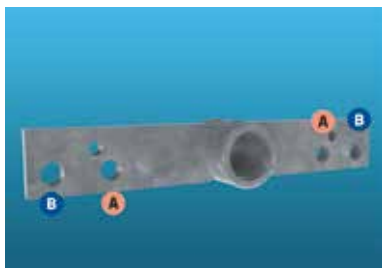
806SA-0110 CAME KEY - Smart interface for local setting of automation via App.



Video entry system kit

8K40AD-004 MTMAKCONNECT - Entry system kit with MTMA/Connect module equipped with a call button. Connected to CAME automations, it acts as a 4G gateway, enabling connection to the CAME Connect cloud. Complete with accessories in anti-vandal version and black painted aluminum support post.



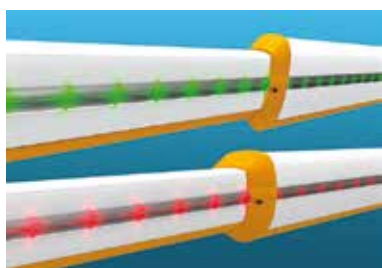


FITTED FOR BALANCING SPRINGS

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 LS4

AUTOMATIC BARRIERS



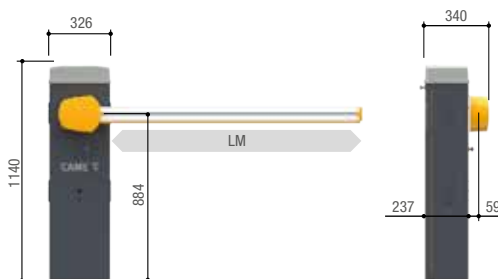
PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 3.8 m	1,5 MILLION CYCLES	300 CYCLES/HOUR	FROM 2 TO 6 SEC



Ideal solution for medium to high-traffic flows

- 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
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230 V AC barriers with encoder and 24 V DC operator and built-in control panel	
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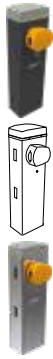
803BB-0410	GLS40AGS - Automatic barrier with irreversible gearmotor 24 V DC with encoder; painted galvanised steel cabinet; accessories available. Balance spring included.
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803BB-0430	GLS40ACS - Automatic barrier with irreversible gearmotor 24 V DC 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: 4.05 m.
803XA-0051	White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 3.05 m.
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.
806LA-0060	KLT1FDSW - Green, white and red LED flashing light with 24 V AC/ DC traffic light signaling.



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

Code	Description
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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.
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803XA-0150	Red/green LED strip for booms up to 3 m long.
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803XA-0160	Red/green LED strip for jointed boom up to 2 m long.
-------------------	--

803XA-0190	Connection kit between LED strips for boom with joint.
-------------------	--

001 G02807	Fixed rest.
-------------------	-------------

803XA-0330	Swing rest.
-------------------	-------------

803XA-0440	Swing rest - skirt support bracket.
-------------------	-------------------------------------

803XA-0680	Anti-displacement bracket between cabinet and rack.
-------------------	---

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

001 G02809	Package of 20 red, reflective, adhesive strips.
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ATTENTION

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.



009**SMA** Single-channel magnetic sensor at 24 V for detecting metal masses.



009**SMA2** Double-channel magnetic sensor at 24 V for detecting metal masses.



806XG-0140 Opening and presence detector with FMCW technology. Three detection areas can be set via App. EN 12453 (Device D).



Accessories for: 806XG-0140

806XG-0150 Support for FMCW opening and presence detector for barriers.



EN12453 command and safety detector (type E)

806XG-0030 Opening and safety detector with laser technology. Two detection areas settable by infrared transmitter. EN12453 (Device E).



Accessory for local programming

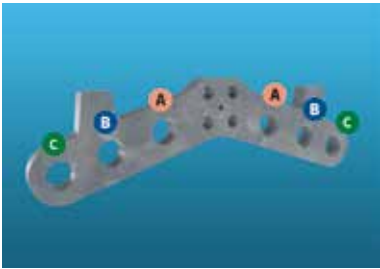
806SA-0110 CAME KEY - Smart interface for local setting of automation via App.



Video entry system kit

8K40AD-004 MTMAKCONNECT - Entry system kit with MTMA/Connect module equipped with a call button. Connected to CAME automations, it acts as a 4G gateway, enabling connection to the CAME Connect cloud. Complete with accessories in anti-vandal version and black painted aluminum support post.





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	NET CLEARANCE WIDTH (m)				
	2,00 < 2,25	2,25 < 2,75	2,75 < 3,25	3,25 < 3,50	3,50 < 3,80
Boom with LED strip	A	A	B	B	C
Boom with LED strip and single skirt	B	B	C	-	-
Boom with LED strip and mobile stand	B	B	C	C	-
Boom with single rack	B	B	C	-	-
Boom with mobile stand	B	B	C	C	C



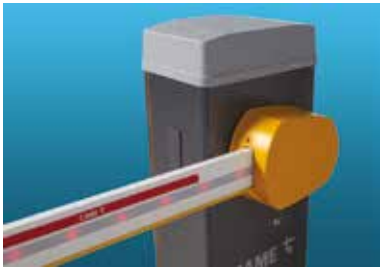
SINGLE SPRING BALANCING

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, which indicates the boom position with a green or red light.

GARD LS6



PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 6.5 m	1,5 MILLION CYCLES	160 CYCLES/HOUR	FROM 4 TO 6 SEC



Ideal solution for medium to high-traffic flows

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 160 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-0490	803BB-0510	803BB-0520
Max. net clearance width (m)	6,5	6,5	6,5

Technical characteristics

MODELS	803BB-0490	803BB-0510	803BB-0520
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)	4 ÷ 6	4 ÷ 6	4 ÷ 6
Cycles/Hour	160	160	160
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	7024

Code Description

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

803BB-0490



GLS60AGS - Automatic barrier with 24 V DC irreversible operator with encoder; galvanized steel and painted cabinet with prearrangement for accessories. Balancing springs included.

803BB-0510



GLS60ACS - Automatic barrier with 24 V DC irreversible operator with encoder; galvanized steel cabinet with customized RAL painting and prearrangement for accessories. Balancing springs included.

803BB-0520



GLS60AX4 - Automatic barrier with 24 V DC irreversible operator with encoder; AISI 304 satin-finish steel cabinet with prearrangement for accessories. Balancing springs included.

Accessories for barriers

001G06850

White, painted aluminum, tube-section boom, with rubber groove covering profile. Ø 100 mm, boom length: 6.85 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.

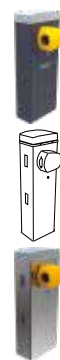
803XA-0630

Cartridge heater with thermostat.

806LA-0060



KLT1FDSW - Green, white and red LED flashing light with 24 V AC/ DC traffic light signaling.








NOTES:

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

THE COMPLETE RANGE

Code Description

Boom accessories	
803XA-0240	Red/green LED strip for booms up to 6.5 m long.
001 G02809	Package of 20 red, reflective, adhesive strips.
001 G02807	Fixed rest.
803XA-0330	Swing rest.
803XA-0440	Swing rest - skirt support bracket.
803XA-0680	Anti-displacement bracket between cabinet and rack.
803XA-0340	Painted aluminum skirt. 1720 mm module complete with junction brackets.
24 V DC accessories for barriers	
803XA-0290 	Control card kit for operating during power outages and for recharging batteries, with battery housing.
009 SMA 	Single-channel magnetic sensor at 24 V for detecting metal masses.
009 SMA2 	Double-channel magnetic sensor at 24 V for detecting metal masses.
806XG-0140 	Opening and presence detector with FMCW technology. Three detection areas can be set via App. EN 12453 (Device D).
Accessories for: 806XG-0140	
806XG-0150	Support for FMCW opening and presence detector for barriers.
EN12453 command and safety detector (type E)	
806XG-0030 	Opening and safety detector with laser technology. Two detection areas settable by infrared transmitter. EN12453 (Device E).
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. - Max. 3 modules for 6-meter boom.

When the passage width clearance is greater than 4 m, it is compulsory to use a boom rest to support it (fixed or movable).

Code Description

Accessory for local programming

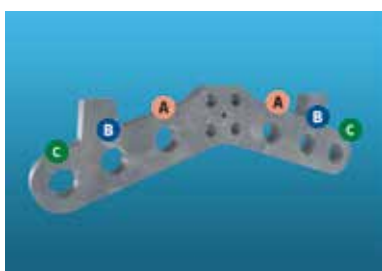
806SA-0110 CAME KEY - Smart interface for local setting of automation via App.



Video entry system kit

8K40AD-004 MTMAKCONNECT - Entry system kit with MTMA/Connect module equipped with a call button. Connected to CAME automations, it acts as a 4G gateway, enabling connection to the CAME Connect cloud. Complete with accessories in anti-vandal version and black painted aluminum support post.

4G



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)						
	3,00 < 3,50	3,50 < 4,00	4,00 < 4,50	4,50 < 5,00	5,00 < 5,50	5,50 < 6,00	6,00 < 6,50
Boom with LED strip	A	A	A	B	C	B B	B B
Boom with LED strip and swing rest	A	A	B	C	B B	B B	C C
Boom with LED strip and skirt	A	B	B B	B B	C C	C C	-
Boom with LED strip, skirt and swing rest	B	B B	B B	C C	-	-	-



DOUBLE SPRING BALANCING

The CAME R&D department has developed a practical variable balancing system, which allows using two springs 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.

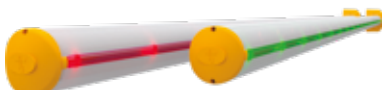


SIMPLE CONFIGURATION

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, which indicates the boom position with a green or red light.



GARD 12

AUTOMATIC BARRIERS



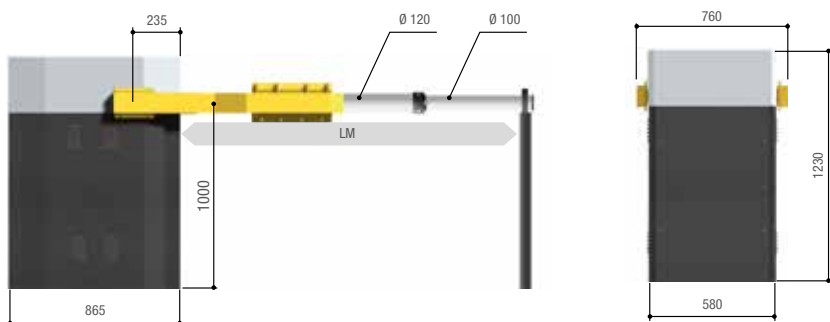
PASSAGE WIDTH CLEARANCE	MCBF	USE	SPEED
UP TO 12 m	600,000 CYCLES	50 %	10 S



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

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

001 G12000K	Barrier made of painted, galvanized steel.
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Accessories for: 001G12000K	
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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.
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001 G1325	Package of 20 counter-weights.
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Accessories for: 001G0121	
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001 G0461	Package of 24 red, reflective, adhesive strips.
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24 V accessories for: 001G12000K	
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002 LB38	Circuit board for emergency operation and battery charging.
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009 SMA	Single-channel magnetic sensor at 24 V for detecting metal masses.
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009 SMA2	Double-channel magnetic sensor at 24 V for detecting metal masses.
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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

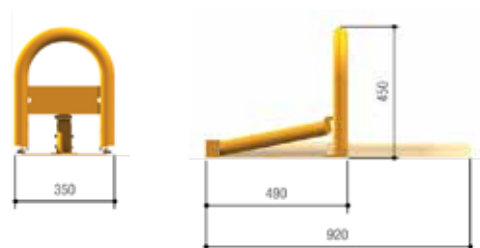
PARKING SPACE MAXIMUM WIDTH	SPACES EXTENSION	USE
UP TO 2.45 m	MAX 4	HEAVY-DUTY

Parking saver for residential settings and public spaces

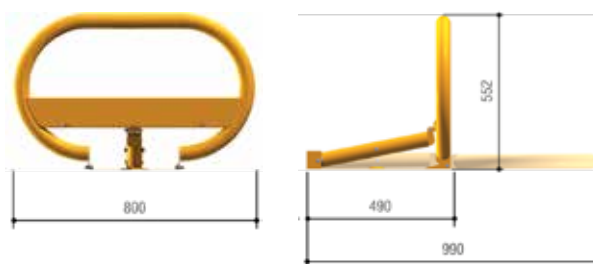


- Solution controllable via radio, to reserve the parking space.
- Simple and functional fixing base.
- It works in emergency mode during power outages.
- Safety is ensured by the amperometric obstruction-detecting and limit-switch controlling device.
- Available in 2 models: small and large.
- Built 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
Resistance to crushing (kg/cm ²)	2,5
Operating temperature (°C)	-20 ÷ +55

Code	Description
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Parking guard barriers with 24 V DC gearmotor	
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001 UNIP	Irreversible gearmotor with fastening plate.
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Extra accessories	
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001 ARK1	SMALL barrier.
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001 ARK2	LARGE barrier.
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Control panels for 24 V DC gearmotors	
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801 QA-0030	Control panel for a parking barrier, extendable up to 4 barriers with n. 3 LM22N boards.
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Accessories for: 801QA-0030	
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801 XC-0110	LM22N - Extension board for one motor.
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002 LB22	Circuit board for emergency operation and battery charging.
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NOTES:

002LB22 - No. 2 12 V – 1.2 Ah batteries, not supplied.

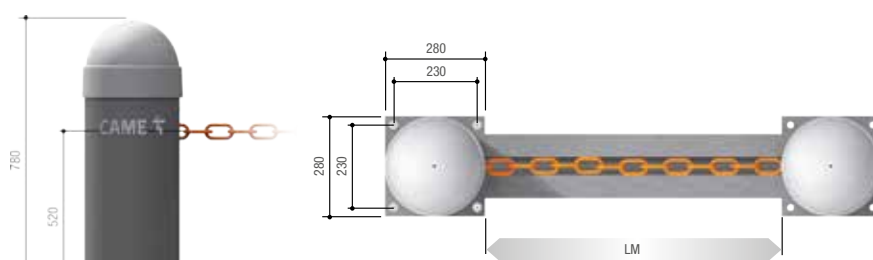
PASSAGE WIDTH CLEARANCE	CHAIN TYPE	USE
UP TO 16 m	5 OR 9 mm	HEAVY-DUTY



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.
- 24 V DC version available for obstacle detection and chain speed adjustment.

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

NOTES: Cover color RAL 7040 - Cabinet color RAL 7024

Technical characteristics

MODELS	803BC-0010	803BC-0020	803BC-0040	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	24 DC	230 AC	24 DC
Absorption (A)	3,8	2,7	3,8	2,7
Power (W)	880	540	880	540
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

● 230 V AC ● 24 V DC

Code Description

230 V AC chain barriers with motor	
803BC-0010	CAT1AAGS - Post with 230 V gearmotor and built-in control panel.
803BC-0040	CAT1AACS - Post with 230 V gearmotor and built-in control panel; custom galvanized and RAL-painted steel column.
24 V DC chain barriers with motor	
803BC-0020	CAT1DAGS - Post with 24 V gearmotor and built-in control panel.
803BC-0050	CAT1DACS - Post with 24 V gearmotor and built-in control panel; custom RAL painted and galvanized steel column.
Post for chain barriers	
803BC-0030	CAT2NNGS - Post with counter-weight and chain latch.
803BC-0060	CAT2NNCS - Post with counterweight and chain coupling; column in galvanized steel and custom 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	Underground, chain protection guide L = 2 m.
Accessories for 24 V versions	
002 RLB	Circuit board for emergency operation and battery charging.
Electronic accessories for 24 V versions	
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.
Accessory for local programming	
806SA-0110	CAME KEY - Smart interface for local setting of automation via App.

NOTES:
002RLB No. 2 12 V - 1.2 Ah batteries not supplied.



ELEGANT AND CUSTOMIZABLE FINISH

CAT posts are made of galvanized steel, painted in RAL 7024 gray color, elegant and refined for any surroundings, including historic and exclusive settings.

The light gray RAL 7040 top cap and orange steel chain ensure maximum visibility and safety.

On request, CAT is available in custom finish based on any RAL.

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	GARD PX	GARD GT4 GARD GT8	GARD LS4 GARD LS6
Control board / Control panel	ZLB30B	ZL392B	ZL392C
Security			
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	●		
Firmware update from USB	●		
PASSWORD protecting access to functions	●	●	●
MANEUVER COUNTER	●	●	●
Number of operations setting for MAINTENANCE	●	●	●

* Only available in paired mode

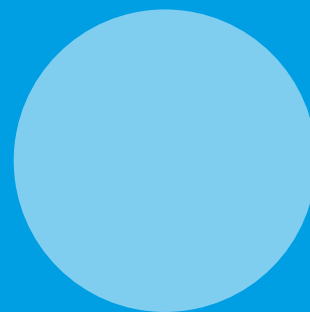
● 24 - 36 V DC

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
Security			
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 SAVING management control (Green Power module)		●	
Firmware update from USB			

● 230 V AC ● 24 V DC

INDUSTRIAL DOOR AUTOMATION



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195	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

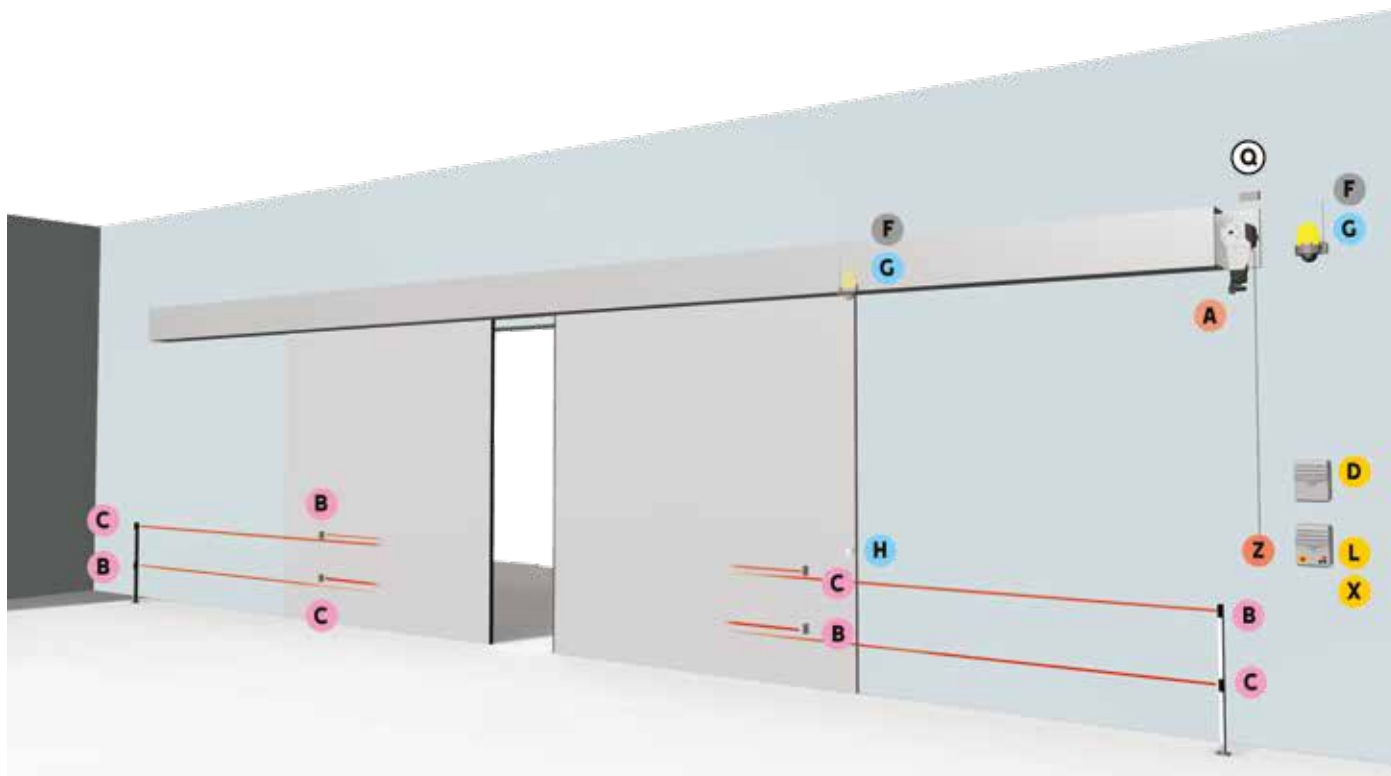
This operator is used to close very wide entrances while limiting, as much as possible, the space taken up laterally when the door is open.

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

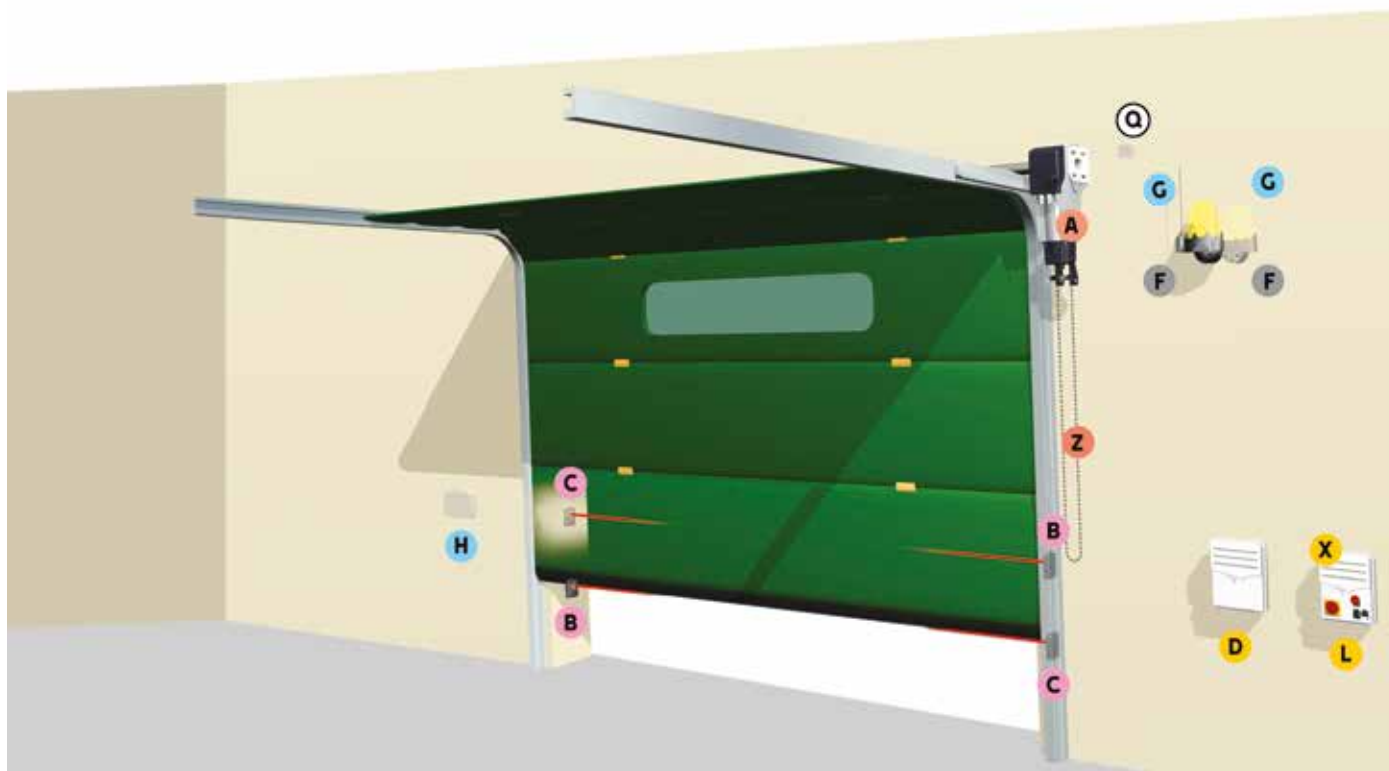
- A** Gearmotors
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

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



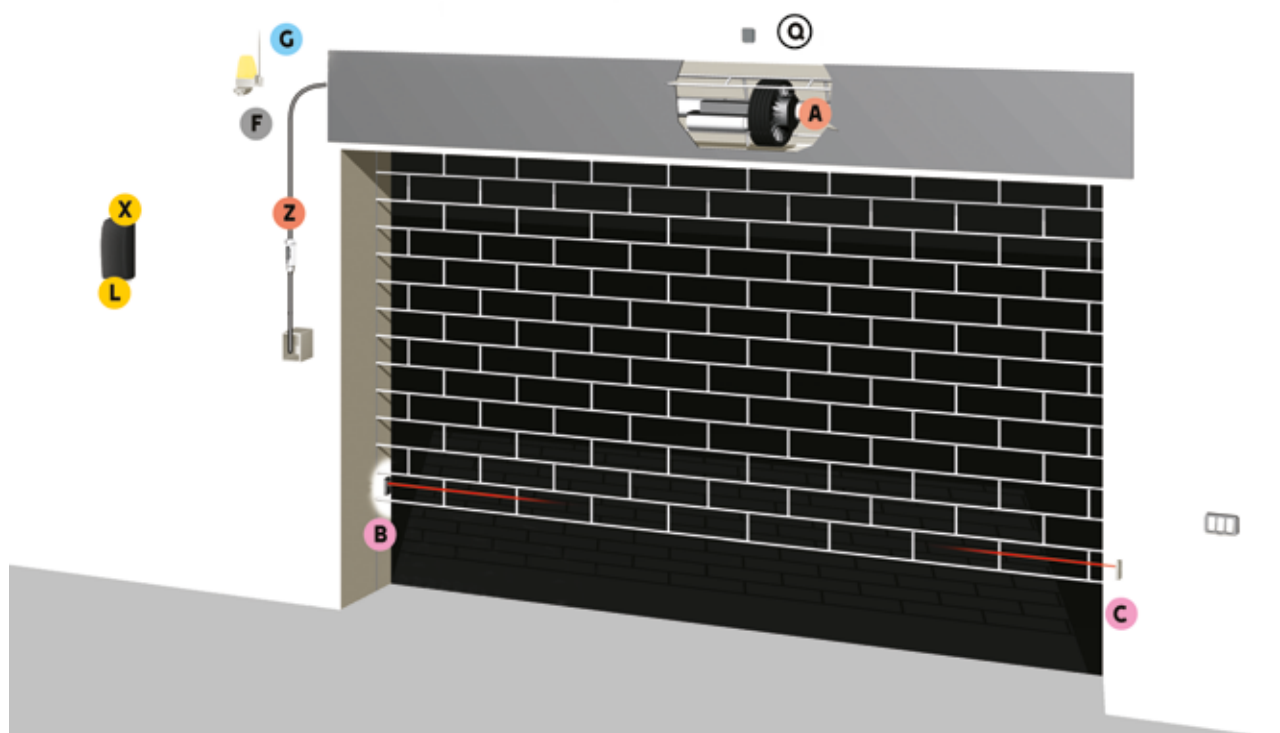
COMPONENTS

- 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



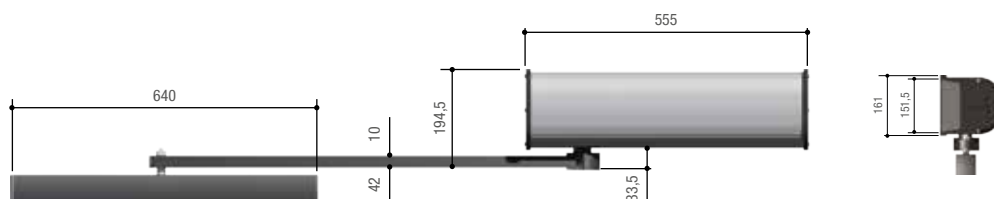
MAX. LEAF LENGTH	MAX. LEAF WEIGHT	USE
UP TO 2 m	UP TO 300 kg	HEAVY-DUTY

Ideal solution for fitting on swing-leaf and folding doors for industrial use

- 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	HEAVY-DUTY
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

801QA-0120 ZLX230M - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 2 safety inputs and storage for up to 250 users.



801QA-0130 ZLX230S - Multifunctional control panel, with 230 V AC power supply, for 230 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Digital Torque Control, CXN BUS, 4 safety inputs, Time programmer and storage for up to 1000 users.



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.



Accessories for: 801QA-0050 - 801QA-0060 - 002ZL65

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



CXN BUS interface for: 801QA-0050 - 801QA-0060 - 801QA-0120 - 801QA-0130

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.



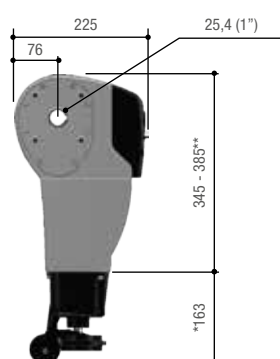
MAX. LEAF HEIGHT	SHAFT Ø	USE
UP TO 11 m	25.4 mm (1")	20 CYCLES/HOUR



Ideal solution for sectional, sliding or folding door applications for industrial use

- 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	ZC3N - 230 V control panel for industrial gates with brake function.
-------------------	--



801QA-0150	ZC3NC - 230 V control panel for industrial doors, with brake function and complete with safety lock and 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.
------------------	--



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.
------------------	---



THE COMPLETE RANGE

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).
801 XC-0150	Winch for manual drive with DIN 766 Ø 3 mm chain (chain L = 10 m).



Code Description

Accessories	
001 CMS	Release handle with customized key and resetting pull-cord L = 7 m.
001 C002	Hanging release system.
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.
24 V accessories for: SECTIONAL DOORS	
806 XG-0060 24	Safety sensor for industrial doors using laser technology with a detection zone of max. 10 m × 10 m.
806 XG-0070 24	Safety sensor for industrial doors using laser technology with a detection zone of max. 5 m × 5 m.
Accessories for: 806XG-0060 - 806XG-0070	
818 XG-0019	Remote control for opening and safety detector.
806 XG-0050	Steel support for opening detector and barrier safety.
806 XG-0040	24 V DC power supply for opening and safety detector.

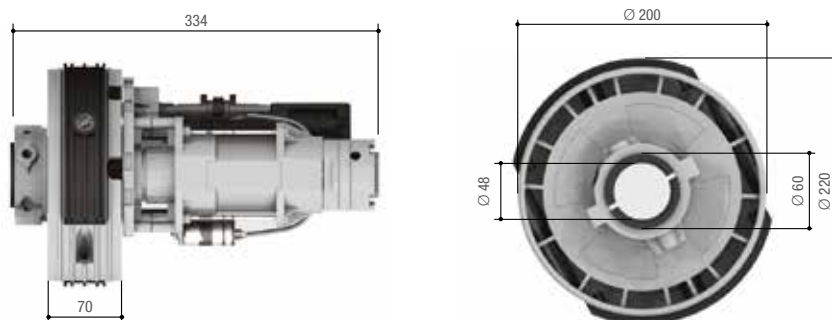


Solution for winding shutters for industrial use

- 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	ZR24N - 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.
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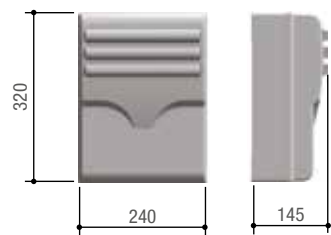
Accessories for: 001H40230120 - 001H40230180

001 H3001	Safety casing with release knob and control button for pull-cord releasing.
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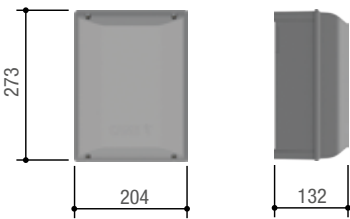


CONTROL PANEL DIMENSIONS

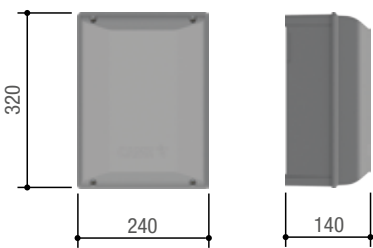
Dimensions (mm)



801QA-0140
002ZT6N



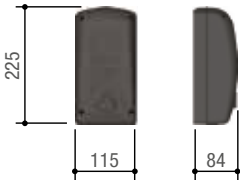
801QA-0050
801QA-0120



801QA-0060
801QA-0130



801QA-0150
002ZM3EC
002ZT6NC



809QA-0010

The table shows all of the characteristics of the industrial entrances control-panels.

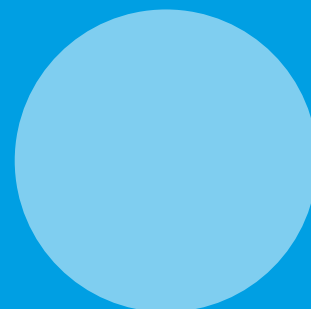
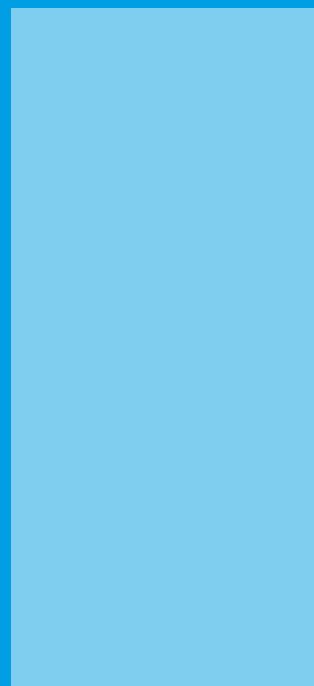
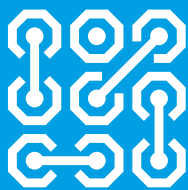
Models / Series	F40230E	F40230E	F40230E C-BX C-BXK	F4024E F4024EP	F4024E F4024EP	C-BX C-BXK	C-BXT	C-BXT	H4
Control board / Control panel	801QA-0120	801QA-0130	ZM3EC	801QA-0050	801QA-0060	801QA-0140 801QA-0150	ZT6N	ZT6NC	809QA-0010
Security									
SELF-DIAGNOSING safety decives	●	●	●	●	●	●	●	●	●
PRE-FLASHING 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 CLOSING 2nd leaf	●	●	●	●	●				
Characteristics									
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●	●	●	
COURTESY LIGHT connection	●	●	●	●	●	●	●	●	●
Antenna	●	●	●	●	●	●	●	●	●
OPEN 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	●	●	●	●	●	●			
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●	●	●				
EMERGENCY BATTERY operation (optional)				●	●				
MASTER-SLAVE							●	●	
Adjustable GATE 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)				●	●				
CAME Key Slot	●	●		●	●	●			
TIMER control		●			●				
Possibility of managing two different motors					●				

Notes:

* with encoder activated.

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

CONTROL AND SAFETY ACCESSORIES




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	TRANSMITTERS
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	FLASHING LIGHTS
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224	KRX
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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-mount	Synchronized infrared	001DIR10	
				001DIR20	
				001DIR30	
	DXR	Surface-mount	Synchronized infrared	806TF-0030	
				806TF-0040	
			Battery-operated synchronized infrared	806TF-0060	
				806TF-0110	
			Synchronized infrared with CXN BUS connection	806TF-0110	
	DLX	Surface-mount	Synchronized infrared	806TF-0120	
	DLX	Recess-mount	Synchronized infrared	806TF-0070	
		Surface-mount	Synchronized infrared	806TF-0080	
	DLX	Recess-mount	Synchronized infrared with CXN BUS connection	806TF-0090	
		Surface-mount	Synchronized infrared	806TF-0100	
Wireless safety systems	RIO System 2.0	Surface-mount	Radio control module	806SS-0050	
			Wireless flashing light	806SS-0030	
			Wireless infrared beam photocells	806SS-0010	
			Wireless module for sensitive safety-edges.	806SS-0020	














SAFETY ACCESSORIES

Product	Series	Characteristic	Type	Code	
Sensitive safety-edges	EDG F	Resistive	Ready to use L = 900 mm	806ED-0110	
			Ready to use L = 1400 mm	806ED-0111	
			Ready to use L = 1900 mm	806ED-0112	
			Ready to use L = 2400 mm	806ED-0113	
			Ready to use L = 3000 mm	806ED-0114	
			Ready to use L = 3500 mm	806ED-0115	
	EDG H	Resistive	Ready to use L = 1500 mm	806ED-0130	
			Ready to use L = 1700 mm	806ED-0131	
			Ready to use L = 2000 mm	806ED-0132	
	EDG I	Resistive	Ready to use L = 2500 mm	806ED-0133	
			Ready to use L = 1500 mm	806ED-0140	
			Ready to use L = 1700 mm	806ED-0141	
			Ready to use L = 2000 mm	806ED-0142	
	EDG L	Resistive	Ready to use L = 2500 mm	806ED-0143	
			Ready to use L = 1500 mm	806ED-0150	
			Ready to use L = 1700 mm	806ED-0151	
			Ready to use L = 2000 mm	806ED-0152	
	DFWN	Mechanical	Ready to use	806ED-0153	
				001DFWN1500	
				001DFWN1500N	
				001DFWN1700	
				001DFWN1700N	
Flashing lights	KIARO	Optional antenna		001DFWN2000	
				001DFWN2000N	
				001DFWN2500	
		LED		001DFWN2500N	
				001KLED	
				001KLED24	
				806LA-0010	
		Built-in antenna		806LA-0020	
				806LA-0030	
				806LA-0050	
	KRX	Built-in antenna	LED with BUS CXN connection	806LA-0070	
			LED with BUS CXN CONNECT connection	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-mount	Bluetooth digital Standalone	806SL-0340	
		Surface-mount	Bluetooth digital Standalone	806SL-0350	
		Surface-mount	Bluetooth digital Standalone	806SL-0360	
		Surface-mount	Plug-in digital bluetooth	806SA-0140	
		Surface-mount	Digital transponder with BUS CXN connection	806SL-0300	
		Recess-mount	Digital transponder with BUS CXN connection	806SL-0310	
		Surface-mount	Digital transponder MiFare with BUS CXN connection	806SL-0320	
		Recess-mount	Digital transponder MiFare with BUS CXN connection	806SL-0330	
		Surface-mount	Digital with wireless keypad	806SL-0170	
		Surface-mount	Digital with wireless keypad	806SL-0180	
		Surface-mount	Digital with BUS CXN connection keypad	806SL-0280	
		Recess-mount	Digital with BUS CXN connection keypad	806SL-0290	
		Recess-mount	Microwave sensor	806SL-0260	
		Indoor	Magnetic sensor	009SMA	
		Indoor	Magnetic sensor	009SMA2	
		Indoor	Magnetic sensor	009SMA220	
	SEL Key	Surface-mount	Key-operated with DIN cylinder	806SL-0050	
		Surface-mount	Key-operated with DIN cylinder CXN BUS	806SL-0070	
		Surface-mount	Key-operated with DIN cylinder For 230 V	806SL-0090	
		Recess-mount	Key-operated with DIN cylinder	806SL-0060	
		Recess-mount	Key-operated with DIN cylinder CXN BUS	806SL-0080	
		Recess-mount	Key-operated with DIN cylinder For 230 V	806SL-0100	
		Surface-mount	Key-operated with cylinder	806SL-0010	
		Surface-mount	Key-operated with cylinder CXN BUS	806SL-0030	
		Recess-mount	Key-operated with cylinder	806SL-0020	
		Recess-mount	Key-operated with cylinder CXN BUS	806SL-0040	
Surface-mount	Key-operated without DIN cylinder	806SL-0051			
Recess-mount	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	
Receivers	RE	433.92 MHz	2 outputs	001RE432M	
		433.92 MHz	2 outputs	806RV-0100	
		868.35 MHz	2 outputs	001RE862M	
	RBE PLUS	433.92 MHz – 868.35 MHz	4 outputs	806RV-0060	
		433.92 MHz – 868.35 MHz	4 outputs	806RV-0070	

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.

Pairings of selectors - interface boards

SERIES	MODEL	CONTROL PANEL TYPE		Outdoor interface board	RECEIVER MODULES	
		CONTROL PANEL WITHOUT CXN BUS	CONTROL PANEL WITH CXN BUS	806SL-0370	806RV-0060	806RV-0070
		Plug-in interface boards			Plug-in interface boards	
SEL Digital	806SL-0280	806XG-0110	●	●	806XG-0110	
	806SL-0290		●	●		
	806SL-0300		●	●		
	806SL-0310		●	●		
	806SL-0320		●	●		
	806SL-0330		●	●		

Note

* Interface board to be purchased according to the type of control panel

Wireless device-receiver pairings

SERIES	MODEL	CONTROL PANEL TYPE		RECEIVER TYPE		RECEIVER MODULES *	
		CONTROL PANEL WITH DISPLAY *	CONTROL PANEL WITHOUT DISPLAY *	TWO-CHANNEL RECEIVER		806RV-0060	806RV-0070
		Plug-in radio-frequency board		001RE432M	001RE862M	806RV-0100	Plug-in radio-frequency board
SEL Digital	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



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.

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

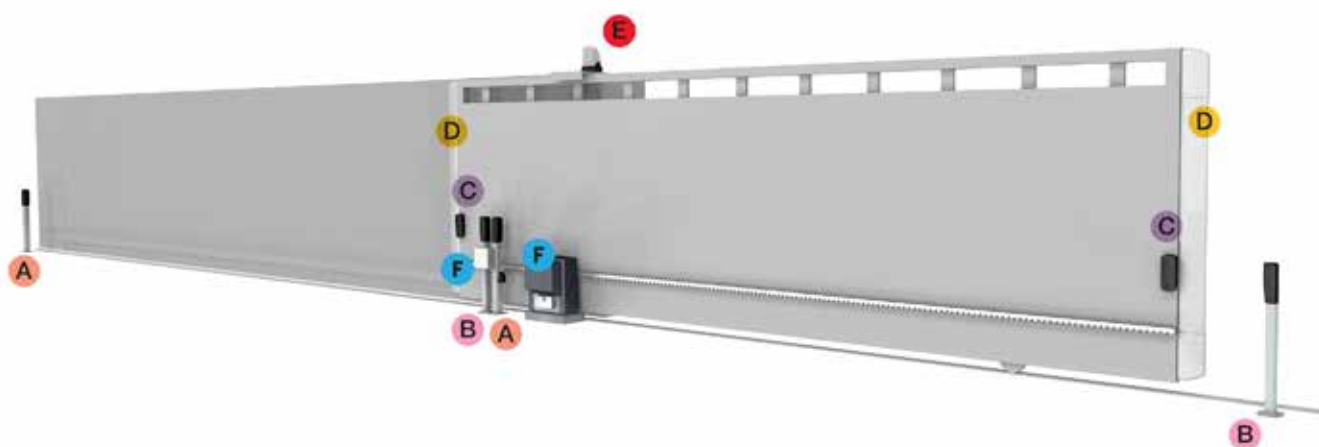
001DB-L Post made of natural-finish anodized aluminum.

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.

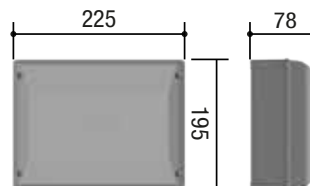
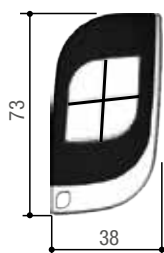




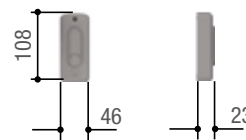
Remote control featuring an elegant and refined design.

- 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-0060
806RV-0070



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-0060 	RBE PLUS 24 - Multifunction outdoor IP54 24 V AC-DC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.	
120 - 230 V AC external modules		
806RV-0070 	RBE PLUS 230 - Multifunction outdoor IP54 120-230 V AC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.	
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers		
001 RE432M 	Two-channel 433.92 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.	
External, 12 - 24 V AC - DC, 868.35 MHz radio receivers for: 806TS-0230		
001 RE862M 	Two-channel 868.35 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D and TTS series.	
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.	

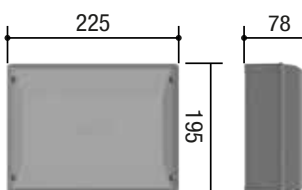
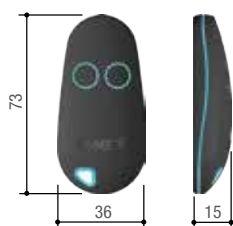
806RV-0060 e 806RV-0070:
For 433.92 MHz transmitters, use 001AF43S
For 868.35 MHz transmitters use 001AF86B
For keypad selectors and transponders use RCXN accessory (art. 806XG-0110)



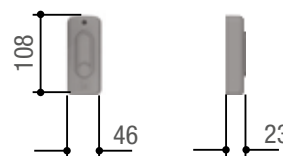
Transmitter available in 5 versions both rolling code and fixed code

- 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-0060
806RV-0070



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.



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 AF86SR	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-0060



RBE PLUS 24 - Multifunction outdoor IP54 24 V AC-DC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.



120 - 230 V AC external modules

806RV-0070



RBE PLUS 230 - Multifunction outdoor IP54 120-230 V AC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.



External, 12 - 24 V AC - DC, 433.92 MHz radio receiver

001RE432M



Two-channel 433.92 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



External, 12 - 24 V AC - DC, 868.35 MHz radio receiver

001RE862M



Two-channel 868.35 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D and TTS series.



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.



806RV-0060 e 806RV-0070:

For 433.92 MHz transmitters, use 001AF43S

For 868.35 MHz transmitters use 001AF868

For keypad selectors and transponders use RCXN accessory (art. 806XG-0110)



RBE PLUS

**THE SOLUTION FOR
TEMPORARY ACCESS
CONTROL**

FIND OUT MORE ON PAGE 234

CAME 

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

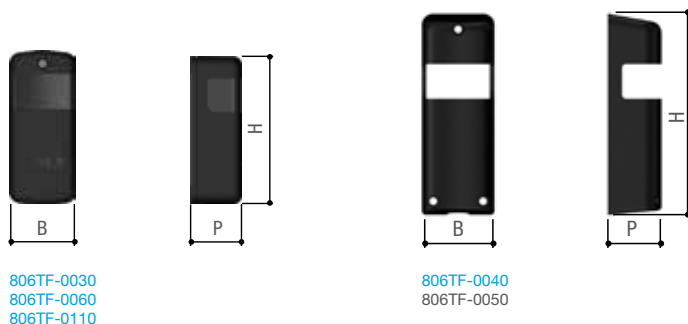




Rectangular adjustable infra-red photocells

- 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)



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

Operational limits

MODELS	806TF-0030	806TF-0060	806TF-0110	806TF-0040
Max range of infrared beam (m)	20	10	20	20

Technical characteristics

MODELS	806TF-0030	806TF-0060	806TF-0110	806TF-0040
Protection rating (IP)	54	54	54	54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC (RX)	CXN BUS	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
Material	PC	ABS	-	ABS - Aluminum

● 12 - 24 V AC - DC

Code Description

Adjustable synchronized infrared beam photocells

806TF-0030 DXR20CAP - Pair of surface-mount synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m.



806TF-0040 DXR20CAM - Pair of aluminum, surface-mount, synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m.



806TF-0060 DXR10BAP - Pair of surface-mount synchronized, swiveling, infrared-beam photocells with receiver rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m.



Synchronized swiveling infrared beam photocell with BUS CXN technology

806TF-0110 DXR20SAP - Pair of surface-mount synchronized adjustable infra-red beam BUS CXN photocells. Range: 20 m.



Accessories for: 806TF-0030 - 806TF-0060 - 806TF-0110

806TF-0050 Aluminium alloy cover for DXR series photocells.

001**DIR-L** Post made of natural-finish, anodized aluminum. 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-mount 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

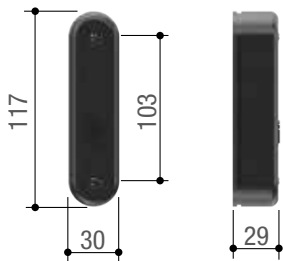
Thanks to its adjustable synchronized infrared beam, it is the ideal solution for applications where the installation space and the system structure prevent the perfect alignment of the standard photocells one in front of the other.



Slim adjustable photocells for garage installations or to be used on very small columns

- Small size (28 mm)
- surface-mount
- Infrared range 20 metres
- Synchronisation of up to 8 photocell pairs
- Adjustable in 2 positions: 0° or 90°

Dimensions (mm)



Operational limits

MODELS	806TF-0120
Max range of infrared beam (m)	20

Technical characteristics

MODELS	806TF-0120
Protection rating (IP)	54
Power supply (V)	12 - 24 AC - DC
Operating temperature (°C)	-20 ÷ +55
Material	PC

Code	Description
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Adjustable synchronized infrared beam photocells	
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806TF-0120



DXR20CTP - Pair of surface-mount synchronized, swiveling, infrared-beam mini photocells rated at 12 - 24 V AC - DC. Range: 20 m.



FRONT OR SIDE OPERATION

DXR Slim can be installed with front or side operation, simply by orienting the internal electronic board by means of the special housing.



VERY LITTLE SPACE IS NEEDED!

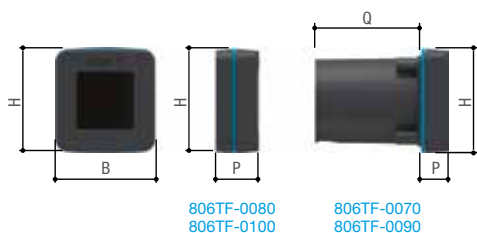
DXR Slim is designed to solve protection issues on automation that offers little space for photocells, such as in the case of sectional-opening garage doors.



Square infra-red photocells

- 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.

24

806TF-0080 DLX30CEP - Pair of surface-mount synchronized adjustable infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 30 m.

24

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.

CXN

806TF-0100 DLX30SEP - Pair of surface-mount synchronized infra-red beam BUS CXN photocells. Range: 30 m.

CXN

Accessories for: 806TF-0070 - 806TF-0090

009**DOC-S** Recess-mount casing.

001**DOC-L** Post made of natural-finish, anodized aluminum. 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-mount 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.

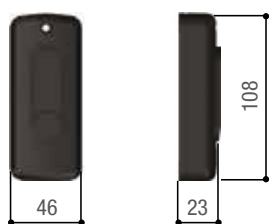




Rectangular infra-red photocells

- 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
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Dir- series, synchronized infrared-beam photocells	
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001 DIR10	Pair of surface-mount 12 - 24 V AC - DC photocells. Range: 10 m.
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001 DIR20	Pair of surface-mount 12 - 24 V AC - DC photocells. Range: 20 m.
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001 DIR30	Pair of surface-mount 12 - 24 V AC - DC photocells. Range: 30 m.
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Accessories for: 001DIR10 - 001DIR20 - 001DIR30	
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001 DIRZ	Aluminum alloy, shock-proof protection.
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001 DIR-S	Recess-mount casing.
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001 DIR-L	Post made of natural-finish, anodized aluminum. H = 500 mm.
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001 DIR-LN	Black anodized aluminum post. H = 500 mm.
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001 DIR-CG	Silver RAL9006, PVC post. H = 500 mm.
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Accessories for: 001DIR-L	
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001 DIR-P	Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
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Accessories for: 001DIR-LN	
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001 DIR-PN	Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
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Accessories for: 001DIR-CG	
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001 DIR-CGP	Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm
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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 surface-mount 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

Code	Description
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24 V flashing lights	
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806LA-0060	KLT1FDSW - Green, white and red LED flashing light with 24 V AC/ DC traffic light signaling.
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24	
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Accessories	
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001 TOP-RG58	Antenna cable L = 5 m.
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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).
- surface-mount 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, AF plug-in and BUS CXN technology.
Flashing light with BUS CXN and CONNECT technology	
806LA-0070	KRX1B1CW - Connect RGB LED flashing light with white dome, AF plug-in, 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	WIFI GATEWAY - Gateway to connect the automation to the cloud via Wi-Fi or locally via Bluetooth selector (50 users)
806SA-0150	SLAVE MODULE - 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 thus making 2 innovative functions available in addition to the RGB LED system.

With the 806SA-0140 gateway that can be configured in Wi-Fi or Bluetooth® mode, KRX CONNECT is much more than a flashing light.

COMPATIBLE WITH AMAZON ALEXA

With the Wi-Fi gateway, KRX CONNECT enables users to control automation via Amazon Alexa voice commands to open and close the gate, stop it, or find out its status.

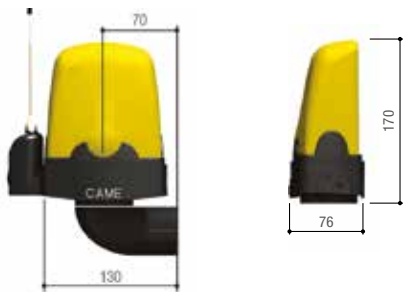




The standard flashing light

- Long life and low consumption.
- Energy efficiency is linked to lower consumption.
- Surface-mount 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
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120 - 230 V AC Flashing light	
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001 KLED	LED flashing light signaller.
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24 V AC – DC Flashing light	
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001 KLED24	LED flashing light signaller.
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Accessories for: 001KLED - 001KLED24	
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001 KIAROS	Wall-fastening base.
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433.92 Mhz antenna	
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001 TOP-A433N	Antenna tuned at 433.92 MHz.
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868.35 Mhz antenna	
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001 TOP-A862N	Antenna tuned at 868.35 MHz.
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Accessories for: 001TOP-A433N - 001TOP-A862N	
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001 TOP-RG58	Antenna cable L = 5 m.
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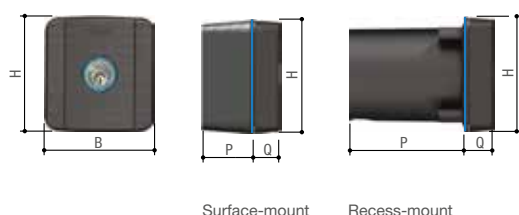




Key selectors for automation control

- Backlit with blue light, available in the surface-mount or recess-mount 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)



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
Power (W)	0,3	0,3	0.35	0.35	0,3	0,3
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	-	-	-	-
Power (W)	0.35	0.35	-	-	0,3	0,3
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 24	SELD1FDG - surface-mount key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
806SL-0060 24	SELD2FDG - Recess-mount key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
8K06SL-004 24	SELD1K01 - Kit consisting of two surface-mount key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024, gray color.
8K06SL-005 24	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 CXN	SELD1BDG - BUS CXN surface-mount key-switch selector with blue backlight and DIN lock cylinder. RAL7024, gray color.
806SL-0080 CXN	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 24	SELC1FDG - Surface-mount key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
806SL-0020 24	SELC2FDG - Recess-mount key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
Key-switch selectors with cylinder lock and BUS CXN technology	
806SL-0030 CXN	SELC1BDG - BUS CXN surface-mount key-switch selector with blue backlight and lock cylinder. RAL7024, gray color.
806SL-0040 CXN	SELC2BDG - Recess-mount 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-mount key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
806SL-0100	SELD2FAG - Recess-mount key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
Accessories for recess-mount 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 24	SELD1FDS - Surface-mount key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.
806SL-0061 24	SELD2FDS - Recess-mount key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.



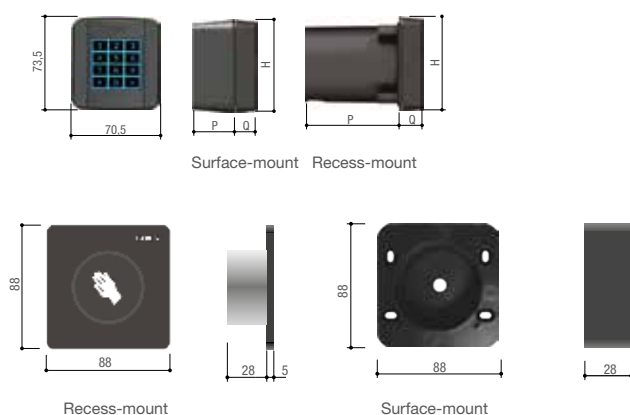
NOTES: 806SL-0051 - 806SL-0061
For DIN lock cylinders, see spare part 119R36887 (from code 002 to code 050).

Selectors and transponders for automation control

- Backlit with blue light, available in the surface-mount or recess-mount 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-mount, 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-mount, 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-mount 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

806SL-0290 SELT2BDG - Recess-mount 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.

Manchester transponder sensors with BUS CXN technology

806SL-0300 SELR1BDG - Surface-mount BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.

806SL-0310 SELR2BDG - Recess-mount 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-mount 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-mount BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.

806SL-0330 SELM2BDG - Recess-mount 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-mount BUS bluetooth selector for 15 users with blue backlight for use even on automations without BUS technology.



806SL-0350 SELB1NDG2 - Surface-mount BUS bluetooth selector for 50 users with blue backlight for use even on automations without BUS technology.



806SL-0360 SELB1NDG3 - Surface-mount 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-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



External 12 - 24 V AC - DC 868.35 MHz radio receivers for: 806SL-0180

001RE862M Two-channel 868.35 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D and TTS series.



12 - 24 V AC - DC external modules for: radio-based transponders, keypads and selectors

806RV-0060 RBE PLUS 24 - Multifunction outdoor IP54 24 V AC-DC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.



120 - 230 V AC external modules for: transponder, keypad and radio-based selectors

806RV-0070 RBE PLUS 230 - Multifunction outdoor IP54 120-230 V AC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.



433.92 MHz plug-in receivers for automation and RBE Plus

001AF43S 433,92 MHz plug-in radio frequency card.



868.35 MHz plug-in receivers for automation and RBE Plus

001AF868 868.35 MHz plug-in radio frequency card.



Accessories for BUS selector switches and RBE Plus

806XG-0110 RCXN - Module for managing CXN BUS accessories.



Bluetooth digital plug-in selectors

806SA-0140 WIFI GATEWAY - Gateway to connect the automation to the cloud via Wi-Fi 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-mount IP54 12 - 24 V AC - DC dual-channel control card for keypads and transponders.



24 V AC - DC magnetic sensors

009SMA Single-channel magnetic sensor at 24 V for detecting metal masses.



009SMA2 Double-channel magnetic sensor at 24 V for detecting metal masses.



230 V AC magnetic sensors

009SMA220 Single-channel magnetic sensor at 230 V for detecting metal masses.



12 - 24 V AC - DC microwave sensor

806SL-0260 SELS2SDG - Recess-mount 12 - 24 V AC - DC - touch selector switch, with adjustable backlight.



Accessories for: 806SL-0260

806SL-0270 surface-mount casing.



868.35 MHz antenna for: 001KLED - 001KLED24 - 806SL-0180

001TOP-A862N Antenna tuned at 868.35 MHz.



Antenna at 433.92 MHz for: 001KLED - 001KLED24 - 806SL-0170

001TOP-A433N Antenna tuned at 433.92 MHz.



Accessories

001TOP-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.

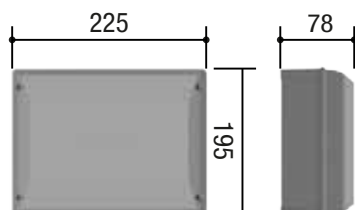




Receiver and control board for access control up to 5.000 users

- Simultaneous management of transmitters, keyboards and transponders
- Management of up to 5,000 users
- Connection of up to 8 CXN BUS accessories
- 4 relay outputs
- 4 digital inputs
- Direct management of up to 4 CAME automations via CRP
- Integrated clock for managing time slots
- Advanced Quick & Easy with Code Function implemented directly on the keyboards
- Event log for access control
- CAME Key slot
- Easy installation on DIN rail

Dimensions (mm)



Technical characteristics

MODELS	806RV-0060	806RV-0070
Protection rating (IP)	54	54
Power supply (V)	24	120/230
Radio signal frequency (Mhz)	433,92 - 868,35	433,92 - 868,35
Power (W)	15	13.5
Operating temperature (°C)	-20° ÷ 55°C	-20° ÷ 55°C
Material	ABS	ABS

Frequency 433.92 MHz with 001AF43S; Frequency 868.35 MHz with 001AF868.

● 120 - 230 V AC ● 24 V DC

Code Description

12 - 24 V AC - DC external modules

806RV-0060



RBE PLUS 24 - Multifunction outdoor IP54 24 V AC-DC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.



120 - 230 V AC external modules

806RV-0070



RBE PLUS 230 - Multifunction outdoor IP54 120-230 V AC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.

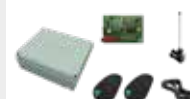


433.92 MHz wireless system

8K06RV-007



Rolling code kit for managing up to 5000 CAME transmitters consisting of: 1 RBE 230 (806RV-0070), 1 plug-in AF receiver card at 433 MHz (001AF43S), 1 antenna (001TOP-A433N) with 5 meters of cable (001TOP-RG58) and 2 four-channel rolling code transmitters (806TS-0270).



433.92 MHz wireless accessories

001TOP-A433N

Antenna tuned at 433.92 MHz.

001AF43S

433,92 MHz plug-in radio frequency card.



806SL-0170



SELT1W4G - 433.92 MHz surface-mount, 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.



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.



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.













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.

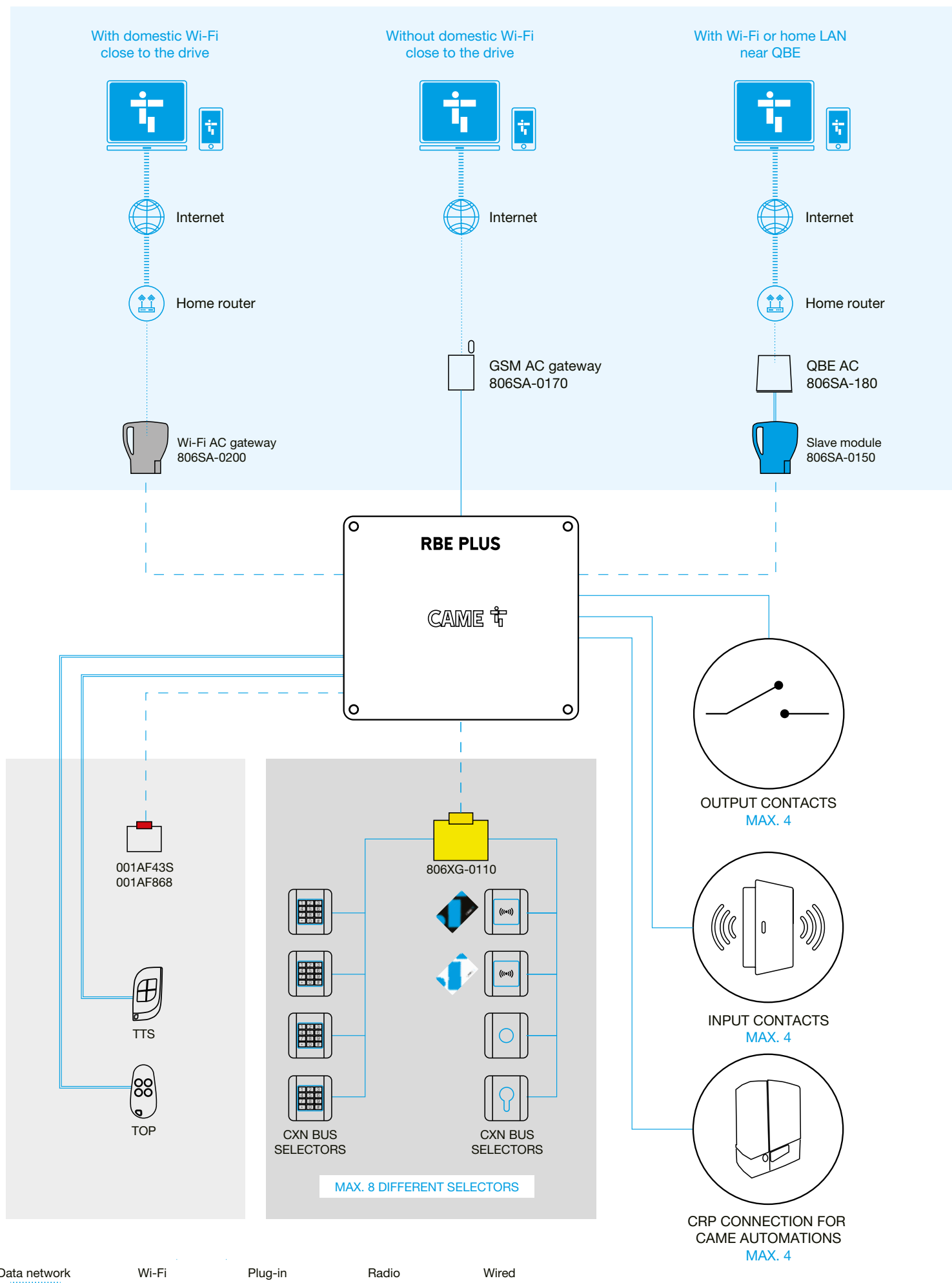


THE COMPLETE RANGE

Code Description

868.35 MHz wireless accessories	
001 TOP-A862N	Antenna tuned at 868.35 MHz.
001 AF868	868.35 MHz plug-in radio frequency card.
806SL-0180 	SELT1W8G - 868.35 MHz surface-mount, 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.
806TS-0230	TTSD4RKS - Double frequency four-channel rolling code transmitter. 4,294,967,896 combinations.
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.
Accessories for antenna	
001 TOP-RG58	Antenna cable L = 5 m.
Accessories for BUS selector switches and RBE Plus	
806XG-0110 	RCXN - Module for managing CXN BUS accessories.
Accessories for keypad operation	
806SL-0280 	SELT1BDG - Surface-mount 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
806SL-0290 	SELT2BDG - Recess-mount 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
Accessories for operation with Manchester transponders	
806SL-0300 	SELR1BDG - Surface-mount BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.
806SL-0310 	SELR2BDG - Recess-mount 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	
806SL-0320 	SELM1BDG - Surface-mount BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.
806SL-0330 	SELM2BDG - Recess-mount BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.
806XG-0100	ISO MIFARE Classic 1 K – 13.56 MHz card.
Accessories for key selector switches	
806SL-0070 	SELD1BDG - BUS CXN surface-mount 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.



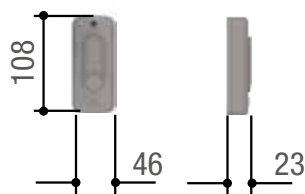




Receiver up to 50 users

- Management of up to 50 users.
- Available in the versions powered by 12 - 24 V AC - DC.
- Access control version available (806RV-0100).
- Manages all transmitters: TOP - TAM - TWIN Fixed Code and 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.

Dimensions (mm)



Technical characteristics

MODELS	RE432M	RE862M
Protection rating (IP)	65	65
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC
Radio signal frequency (Mhz)	433,92	868,35
Operating temperature (°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-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.

868.35 MHz radio receivers

001RE862M Two-channel 868.35 MHz surface-mount IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), for TOP, TAM, ATOMO D and TTS series.

433.92 MHz wireless receivers for access control

806RV-0100 RE43W - Outdoor IP54 12 - 24 V DC 433.92 MHz Wiegand receiver for managing rolling code transmitters on access control.

433.92 MHz wireless accessories

001TOP-A433N Antenna tuned at 433.92 MHz.

806SL-0170 SELT1W4G - 433.92 MHz surface-mount, 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.

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.

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.

868.35 MHz wireless accessories

001TOP-A862N Antenna tuned at 868.35 MHz.

806SL-0180 SELT1W8G - 868.35 MHz surface-mount, 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.

806TS-0230 TTSD4RKS - Double frequency four-channel rolling code transmitter. 4,294,967,896 combinations.

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.



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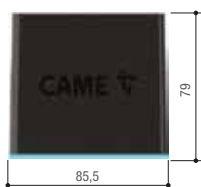




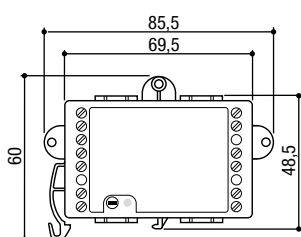
Gateways for automation, access control and smart home

- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.
- Freedom of installation by choosing the appropriate connection type (4G - Wi-Fi - Ethernet - GSM).
- 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.
- System extension with slave modules and interaction between different devices, including those that can be controlled via apps or voice commands (e.g., Alexa).
- Smartphone access automation, secure personal data management, and remote code control for keypads or common areas.
- "CAME AUTOMATION," "CAME SETUP," and "QBE" apps for users and installers, available on Google Play and App Store.

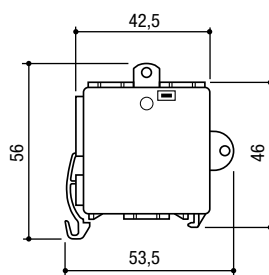
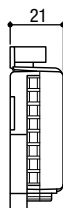
Dimensions (mm)



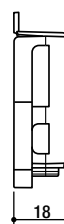
842EC-0020
806SA-0130



806SA-0010
806SA-0020



806SA-0040



Technical characteristics

MODELS	806SA-0130	806SA-0140	806SA-0010	806SA-0020	806SA-0210	806SA-0180	806SA-0170	806SA-0220	806SA-0200	842EC-0020
Protection rating (IP)	30	30	-	-	-	30	-	-	30	30
Power supply (V)	5 DC	-	12 - 30 AC - DC	12 - 30 AC - DC	-	5 DC	12 - 30 AC - DC	-	5	5 DC
Radio signal frequency (Mhz)	869,50	-	-	-	-	869,50	-	-	-	868,65 - 869,50
Data connection technologies	Wi-Fi - Ethernet	-	GSM	GSM	LTE	Wi-Fi - Ethernet	GSM	LTE	-	Wi-Fi - Ethernet
Power (W)	-	2,5	3	3	3	-	3	3	2,5	-
Operating temperature (°C)	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	+5 ÷ +40

● 230 V AC ● 24 V DC

Code Description

Automation gateways	
806SA-0130 	QBEMFSB2 - Ethernet-WiFi Gateway for controlling, via the CAME Connect system, up to five slave modules over the radio-frequency connection.
806SA-0140 	WIFI GATEWAY - Gateway to connect the automation to the cloud via Wi-Fi or locally via Bluetooth selector (50 users)
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).
806SA-0210 	Stand-alone 4G Gateway module for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included).
Gateway for automation with access control function	
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-0220 	4G 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-0200 	Wi-Fi Gateway AC to control access with the CAME Connect system.
Smart Home Gateway	
842EC-0020 	QBEDFSB1 - Versatile gateway with Wi-Fi and Ethernet connectivity that enables control of all home automation systems connected to CAME. Using the QBE App, users can manage devices both remotely and locally and control lights, gates, blinds, heating, and more, all from one application. The gateway also features a sleek design with a blue courtesy light.
Accessories for wireless gateways	
806SA-0150 	SLAVE MODULE - Slave Module to connect the operator to the CAME Connect gateways.
806SA-0040 	RSLV001 - Slave module for operators (002RSE module included).
Accessories for GSM and 4G Gateways	
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.





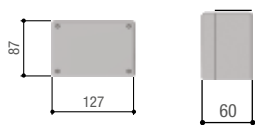
Resistive safety edges

- 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	Safety sensitive edge made of rubber with mechanical contact. L = 1500 mm. Color light gray RAL 7040.
001DFWN1700	Safety sensitive edge made of rubber with mechanical contact. L = 1700 mm. Color light gray RAL 7040.
001DFWN2000	Safety sensitive edge made of rubber with mechanical contact. L = 2000 mm. Color light gray RAL 7040.
001DFWN2500	Safety sensitive edge made of rubber with mechanical contact. L = 2500 mm. Color light gray RAL 7040.
001DFWN1500N	Safety sensitive edge made of rubber with mechanical contact. L = 1500 mm. Color black RAL 9005
001DFWN1700N	Safety sensitive edge made of rubber with mechanical contact. L = 1700 mm. Color black RAL 9005
001DFWN2000N	Safety sensitive edge made of rubber with mechanical contact. L = 2000 mm. Color black RAL 9005
001DFWN2500N	Safety sensitive edge made of rubber with mechanical contact. L = 2500 mm. Color 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-mount synchronized, swiveling, infrared-beam photocells with receiver 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.

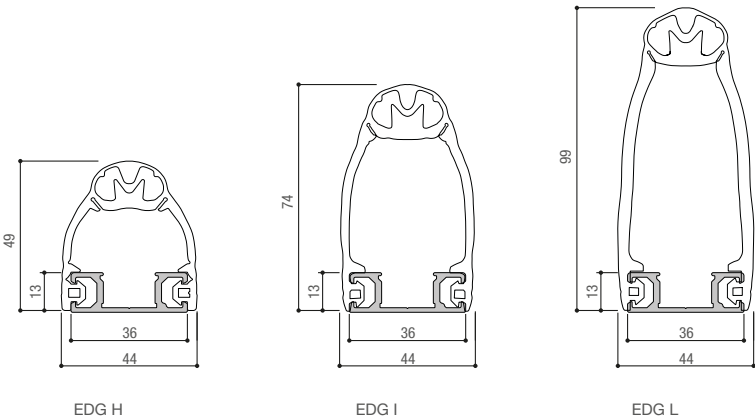




Resistive safety edges

- 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 edge, rubber with profile dimensions 44 mm x 49 mm. L = 1500 mm.
806ED-0131	EDGH17R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 49 mm. L = 1700 mm.
806ED-0132	EDGH20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 49 mm. L = 2000 mm.
806ED-0133	EDGH25R1 - Resistive safety 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 edge, rubber with profile dimensions 44 mm x 74 mm. L = 1500 mm.
806ED-0141	EDGI17R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 74 mm. L = 1700 mm.
806ED-0142	EDGI20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 74 mm. L = 2000 mm.
806ED-0143	EDGI25R1 - Resistive safety 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 edge, rubber with profile dimensions 44 mm x 99 mm. L = 1700 mm.
806ED-0152	EDGL20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 99 mm. L = 2000 mm.
806ED-0153	EDGL25R1 - Resistive safety 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	Pair of outdoor adjustable synchronized infrared beam photocells with 12 - 24 V AC - DC receiver and battery-powered transmitter. Range: 10 m.
-------------------	--



THE COMPLETE RANGE

Code Description

Components for EDG H	
806ED-0160	Rubber profile with dimensions 44 mm x 49 mm. L = 25 m.
806ED-0166	Caps for profile size 44 mm x 49 mm (20 pcs).
Components for EDG I	
806ED-0161	Rubber profile with dimensions 44 mm x 74 mm. L = 25 m.
806ED-0167	Caps for profile size 44 mm x 74 mm (20 pcs).
Components for EDG L	
806ED-0162	Rubber profile with dimensions 44 mm x 99 mm. L = 25 m.
806ED-0168	Caps for profile size 44 mm x 99 mm (20 pcs).
Components for installing the sensitive safety-edges	
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-0169	Connection cable L= 2 m (10 pz).
806ED-0170	Serial connection cable L= 2 m (10 pz).
806ED-0171	Scissors for rubber profiles.





FROG-X

**THE ULTIMATE
UNDERGROUND
MOTOR,
REINVENTED.**

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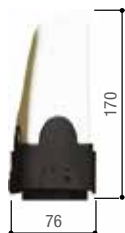




Wireless safety system

- 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.

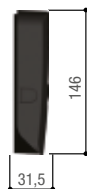
Dimensions (mm)



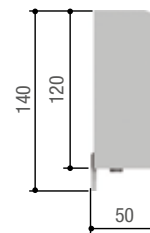
806SS-0030



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	-


Code	Description
------	-------------

Wireless, infrared beam photocells.	
-------------------------------------	--

806SS-0010 	RIOPH8WS - Pair of wireless, infrared-beam photocells. Infrared range: 10 (m)
--	---



Wireless modules	
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806SS-0020 	RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.
--	--





Wireless flashing lights	
--------------------------	--

806SS-0030 	RIOLX8WS - Wireless flashing light
--	------------------------------------





Surface-mount 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	
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001 DB-L	Post made of natural-finish, anodized aluminum. H = 500 mm.
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001 DB-LN	Black anodized aluminum post. H = 500 mm.
------------------	---

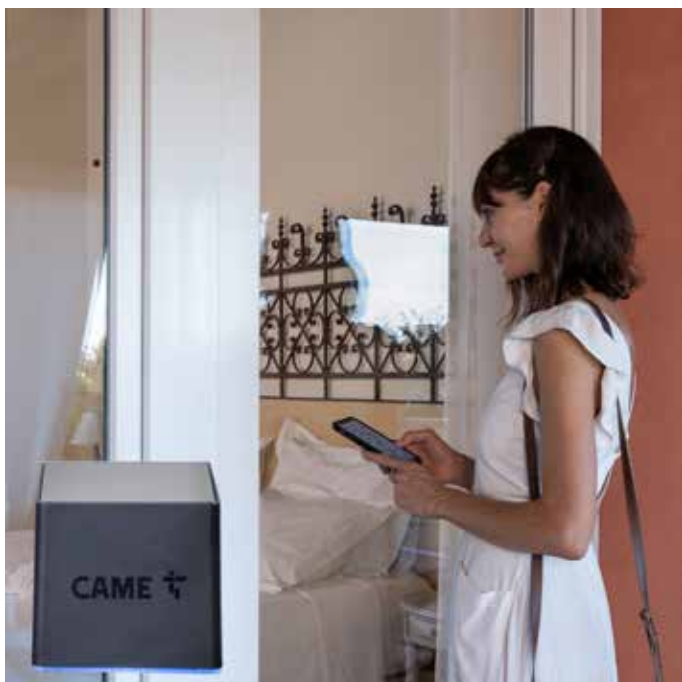
001 DB-CG	Silver RAL9006, PVC post. H = 500 mm.
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Accessories for: 806SS-0030	
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001 KIAROS	Wall-fastening base.
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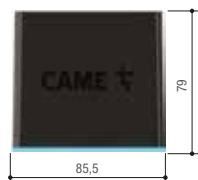




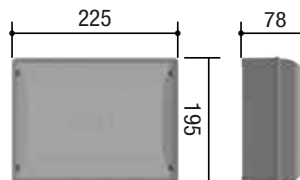
Solution for simply managing temporary access with CAME CONNECT

- 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).

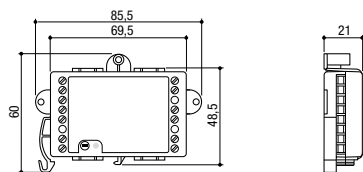
Dimensions (mm)



806SA-0180



806RV-0060
806RV-0070



806SA-0170



806SA-0150



806SA-0200

Technical characteristics

MODELS	806SA-0180	806SA-0220	806SA-0170	806SA-0200	806SA-0150	806SA-0040
Protection rating (IP)	30	-	-	30	-	-
Power supply (V)	5 DC	-12 ÷ 30	12 - 30 AC - DC	5	5 DC	12 - 30 AC - DC
Radio signal frequency (Mhz)	869,50	-	-	-	869,50	869,50
Power (W)	-	3	3	2,5	-	-
Operating temperature (°C)	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

Code Description

Gateway with access control function

806SA-0180 	QBEMFSAC - Ethernet-Wi-Fi gateway to control access, with the CAME Connect system, up to 5 slave modules via radio link.
806SA-0220 	4G 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-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 - Slave Module to connect the operator to the CAME Connect gateways.
806SA-0040 	RSLV001 - Slave module for operators (002RSE module included).

Receiver modules

001 AF43S	433,92 MHz plug-in radio frequency card.
001 AF868	868.35 MHz plug-in radio frequency card.

12 - 24 V AC - DC external modules

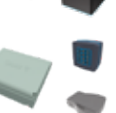
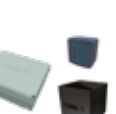
806RV-0060 	RBE PLUS 24 - Multifunction outdoor IP54 24 V AC-DC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.
-----------------------	---

120 - 230 V AC external modules

806RV-0070 	RBE PLUS 230 - Multifunction outdoor IP54 120-230 V AC control panel to manage CXN BUS transmitters and accessories for up to 5000 different users, with 7-segment programming display, 4 relay outputs, 4 inputs, and advanced Quick&Easy function for occasional user control.
-----------------------	--

Complete systems for temporary access control

8K06RV-008 	Ethernet kit for temporary access management consisting of: 1 QBE AC gateway (806SA-0180), 1 RBE 230 (806RV-0070), 1 slave module (806SA-0150), 1 wired keypad (806SL-0280), and 1 RCXN accessory (806XG-0110).
8K06RV-009 	Wi-Fi kit for temporary access management consisting of: 1 Wi-Fi gateway (806SA-0200), 1 RBE 230 (806RV-0070), 1 wired keypad (806SL-0280) and 1 RCXN accessory (806XG-0110).
8K06RV-010 	GSM kit for temporary access management consisting of: 1 GSM AC gateway (806SA-0170), 1 RBE 230 (806RV-0070), 1 wired keypad (806SL-0280) and 1 RCXN accessory (806XG-0110).



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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

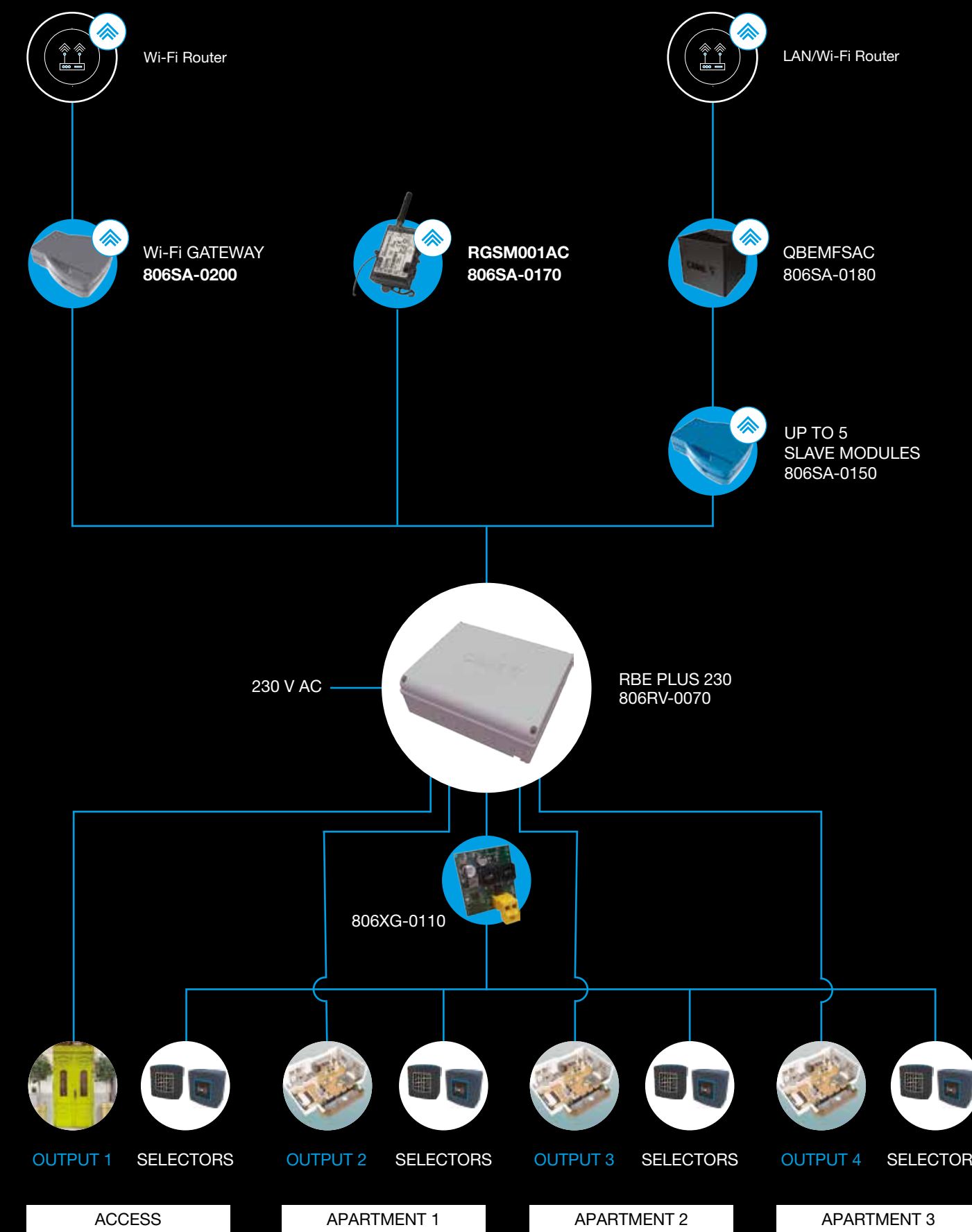
Accessories for BUS selector switches	
806XG-0110	RCXN - Module for managing CXN BUS accessories.
Accessories for keypad operation	
806SL-0280	SELT1BDG - Surface-mount 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
806SL-0290	SELT2BDG - Recess-mount 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
Accessories for operation with Manchester transponders	
806SL-0300	SELR1BDG - Surface-mount BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.
806SL-0310	SELR2BDG - Recess-mount BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.
009PCT	Keyfob transponder.
806XG-0090	Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.
Accessories for operation with MIFARE transponders	
806SL-0320	SELM1BDG - Surface-mount BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.
806SL-0330	SELM2BDG - Recess-mount BUS transponder selector for MIFARE cards with blue backlighting. RAL7024, gray color.
806XG-0100	ISO MIFARE Classic 1 K – 13.56 MHz card.



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INDICE ANALITICO

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CAME 

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