

AUTOMATION CATALOGUE 2022

Gate automation,
garage door automation,
and industrial closure.
Automatic barriers.

50TH
ANNIVERSARY

CAME 

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

CAME 

GENERAL INDEX AND LEGEND OF SYMBOLS



News 2022



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



Gearmotor or operator with ENCODER



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



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



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



This product features BRUSHLESS technology



This CORDLESS product is battery-powered and wireless



Product compatible with 2-wire connection technology CXN BUS



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



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

2	GENERAL INDEX AND LEGEND OF SYMBOLS
4	Many cultures, one destination
6	Discover the complete CAME offer.
16	Our worldwide network.
18	Training that makes a difference.
20	CAME CONNECT
22	CAME KEY. For an even simpler installation.
24	QUALITY INSIDE
26	NEWS 2022
34	European Standards
35	Safety



38 SLIDING GATE AUTOMATION

40	SELECTION GUIDE
42	STANDARD INSTALLATION
44	BXL
46	BXV
50	BX
52	BK
56	BKV
60	BY-3500T
63	CONTROL BOARD FUNCTIONS



64 SWING GATE AUTOMATION

66	SELECTION GUIDE
70	STANDARD INSTALLATION
72	ATS
76	AXL
78	AXI
80	AXO
82	ATI
84	KRONO
86	STYLO
88	FTL
90	FTX
94	FAST 70
98	FERNI
100	FROG
104	FROG PLUS
106	SUPER FROG
109	CONTROL BOARD FUNCTIONS



110 GARAGE DOOR AUTOMATION

112	SELECTION GUIDE
114	STANDARD INSTALLATION
118	VER PLUS
120	VER
122	EMEGA
125	CONTROL BOARD FUNCTIONS



126 AUTOMATIC BARRIERS

128	SELECTION GUIDE
130	STANDARD INSTALLATION
136	GARD GT4
142	GARD GT8
148	GARD PT
152	GARD PX
156	GARD
166	GARD 3250
168	GARD 5000
170	GARD 12
172	UNIPARK
174	CAT
176	CONTROL BOARD FUNCTIONS



178 INDUSTRIAL DOOR AUTOMATION

180	SELECTION GUIDE
182	STANDARD INSTALLATION
186	F4000
188	CBX
192	H4
195	CONTROL BOARD FUNCTIONS



196 CONTROL AND SAFETY ACCESSORIES

198	Selection guide
	TRANSMITTERS
208	TTS
210	TOP
	PHOTOCELLS
214	DXR
216	DLX
218	DIR
	FLASHING LIGHTS
220	KRX
222	KIARO
	SELECTORS
224	SEL Key
226	SEL Digital
	RECEIVERS
230	RBE-RE
	GATEWAYS
234	GATEWAY
	SAFETY
236	DFWN
238	EDG
242	RIO System 2.0

244 ANALYTICAL INDEX

**WE'VE BEEN SPEAKING
ABOUT QUALITY LIVING,
IN ALL THE WORLD'S
LANGUAGES, FOR 50 YEARS.**

50TH
ANNIVERSARY

CAME has catered to people's needs for 50 years by using technology as a key to a quality life. Every project drives our innovation and focus to make people's lives as comfortable as possible.

CAME is a company where skills and experience come into play. Its know how blends functionality and design continuously improving performance.

You are sure that you can rely on professionals able to transform our innovations into solutions, to create customized automation proposals integrated with the best connectivity and mobility technologies. CAME and its partners, together, to satisfy its increasingly demanding and heterogeneous customers for their culture and needs, in order to transform living spaces into more intelligent and safe places.

CAME 

CAME † BPT

CAME † URBACO

CAME † BTECH

CAME † ÖZAK

CAME † GO

CAME † PARKARE

CAME † KMS

CAME † NEPOS

CAME † ENTROTEC

ALWAYS ONE-STEP-AHEAD

CAME is a market-leading brand that makes integrated automation solutions, video-entry, access control and parking systems for the public and private sectors.

The CAME Group boasts a series of highly specialized companies. Together they cover a large share of their market. The group delivers cutting-edge solutions for the residential, business and urban segments. Whether its home automation or heating control, road barriers and high-security bollards, or automatic doors and sectional industrial doors, CAME Group is a key player.

Today CAME is set on one, distinct corporate vision, which makes the organization a cutting-edge technological partner.

RESIDENTIAL SOLUTIONS



We have gone on to develop an idea of home automation that is increasingly integrated and connected with people's lives.

Today, automation is at the heart of the home, managing entrances and garage doors, controlling blinds and shutters, video entry systems and climate control.



BUSINESS SOLUTIONS



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

URBAN SOLUTIONS



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





**INNOVATIVE
SOLUTIONS FOR
EVERY PROJECT.
DISCOVER THE
COMPLETE CAME
OFFER.**



PARKING SOLUTIONS

SPK

Ideal solution for large parking facilities with an innovative service approach

PKE

Ideal solution for large parking facilities with special configuration requirements

PKM

Ideal solution for small and medium sized parking facilities

LINCE

The software platform for management, monitoring and real time remote reporting via smartphone, tablet or PC. Multi-parking management with users and subscriptions centralisation, for validity on all systems. Datacenter with service continuity and servers automatic scalability. 360° assistance and service



Find out more on came.com/parkare

CAME  **PARKARE**

VEHICULAR ACCESS CONTROL



FIXED AND MOBILE BOLLARDS

For delimitation of traffic routes, parking facilities or areas where access to vehicles is prohibited

AUTOMATIC BOLLARDS

For urban areas protection and vehicle flow regulation in both public and private areas

MANAGEMENT AND CONTROL

An integrated system that allows centralized remote management of all accesses with retractable bollards



HIGH-SECURITY BOLLARDS

For the protection of strategic access points and sensitive facilities against ramming vehicles

ROAD BLOCKERS

The highest level of burglar-proof security, to prevent access by unauthorized vehicles

Discover the SMART & SAFE solutions at came.com/urbaco
Discover the full range on came.com/ozak

CAME  **URBACO**
CAME  **ÖZAK**

PEDESTRIAN ACCESS CONTROL



TURNSTILES AND SPEED GATES

For access management and control in elegant settings with fast passage requirements

HIGH-SECURITY TURNSTILES

For access control in locations that require high levels of protection

Find out more on came.com/ozak



CAME  **ÖZAK**





AUTOMATIC DOORS

DISCOVER THE SOLUTIONS FOR AUTOMATIC PEDESTRIAN DOORS

A complete line of automatic sliding or swing doors, equipped with state-of-the-art electronics, available in different versions, also for special uses or emergency exits. Equipped with Brushless motors for maximum efficiency and reliability, and the innovative Direct Drive system that ensures exceptionally quiet movements.

Find out more on came.com/pedestrian-doors

CAME 



VIDEO ENTRY SYSTEMS

INTERCOM RECEIVERS

Intercom and video intercom-entry solutions with modern design and technology

ENTRY PANELS

Advanced single-block or modular devices for single users or for large housing complexes



Find out more on came.com/videoentry

CAME 

SHUTTERS AND BLINDS SOLUTIONS

AUTOMATIONS FOR ROLLING SHUTTERS

A complete series of operators for any installation setting



Find out more on came.com/btech

CAME  **BTECH**

SECTIONAL DOORS

SECTIONAL DOORS FOR HOMES

Solutions that combine quality and design to give aesthetic value to any living environment

SECTIONAL DOORS FOR INDUSTRIAL SETTINGS

Robust, reliable and secure solutions that ensure maximum efficiency for your business



Find out more on came.com/go

CAME  **GO**

SMART HOME SYSTEMS

Simple solutions for connecting different devices inside and outside the home.

The QBE wireless system communicates with awnings, blinds, lights, thermostats and automations for control from smartphones or through Amazon Alexa.



Find out more on came.com/smart-home

CAME 

CLIMATE CONTROL

A complete range of thermostats and chronothermostats suitable for any setting.

Durable and reliable devices equipped with the latest technology, such as LCD display, capacitive buttons, habits learning, management from smartphones or through Amazon Alexa voice commands.



Find out more on came.com/thermo

CAME 

OUR WORLDWIDE NETWORK.

We are a worldwide network.

From the Treviso head office, home to the group's thriving core, we coordinate 10 manufacturing plants and 9 R&D units. We have subsidiaries in 20 countries and, thanks to our commercial partner and distributors, we operate in 118 countries with an integrated and global vision.

We are the technology partner for those projects that require integrated systems for improving the quality of our living space – whether private or public. Our products are made for controlling homes, managing urban venues and workplaces, of any kind, anywhere in the world.

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
Chile
Mexico
Perù
USA

1750

OUR EMPLOYEES AROUND THE WORLD



CAME HQ

Treviso, Italy

BRANCHES EUROPE

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

10

R&D CENTRES

20

COUNTRIES WITH DIRECT
BRANCHES

118

COUNTRIES WITH PARTNERS
AND DISTRIBUTORS

11

PRODUCTION PLANTS

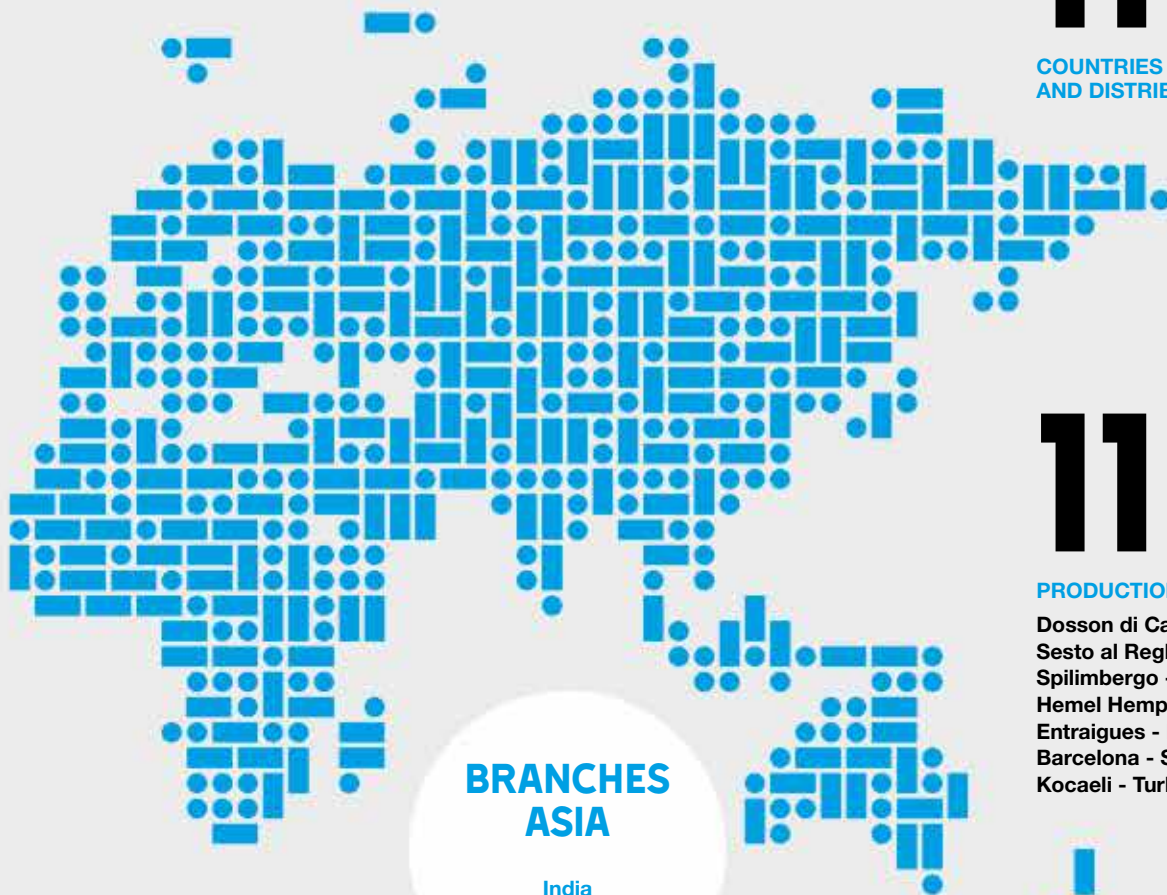
Dosson di Casier - Italy
Sesto al Reghena - Italy
Spilimbergo - Italy
Hemel Hempstead - UK
Entraigues - France
Barcelona - Spain
Kocaeli - Turkey

BRANCHES ASIA

India
The UAE

480

WORLDWIDE DISTRIBUTORS
AND PARTNERS



TRAINING THAT MAKES A DIFFERENCE.



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.

CAME proposes a series of initiatives geared for spreading knowledge about its products and services to let installers remain updated on new technologies and applicable laws and regulations. Our courses are extremely practical, giving our participants hands on knowledge which they can immediately apply.

A TEAM OF PROS

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

TRAINING COURSES.

INVESTING IN YOUR STAFF
BUILDING YOUR BUSINESS

CAME TRAINING TEAM



FOR INFORMATION AND REGISTRATION:



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



CLIENTE

Access

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

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

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

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



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.

CONNECT MEANS

INTERNET CONNECTION
via CAME gateways

COMPATIBILITY
with new quick-coupling gateways

CONFIGURATION
and setup from smartphone
with KEY CAME

REMOTE CONTROL
for the user through Apps



CONNECT FOR THE INSTALLER

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 FOR THE ADMINISTRATOR

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 FOR THE CUSTOMER

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 equipped with a SIM card, 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:





LOCAL ACCESS POINT FOR SMART CONFIGURATION

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.

WE ARE THE QUALITY WE WANT TO ACHIEVE



CAME's working methodology is based on the continuous improvement of production processes, security and relationships, but a great result can only be achieved with everyone's contribution.

This awareness has given rise to Quality Inside, a project involving CAME's women and men and the professionals who rely on our products to offer increasingly reliable and innovative solutions that improve their customers' quality of life.

Quality is our guiding principle: we want to raise all standards of production systems and make quality a widespread and shared value in all company systems.

A process of constant measurement of the results obtained, which encourages the dissemination of positive practices and the replicability of the standards achieved throughout the product design and development cycle.

This scenario brings life to an organizational structure that makes for constant, fruitful and open dialogue among the fundamental areas of the CAME system: R&D - central test lab - production - logistics - service.





A NEW SMART PRODUCTION PROCESS FOR NEW RESULTS.

To the traditional four phases aimed at continuous improvement of production processes, Q.I. adds a continuous sharing process of the results obtained that aims to spread the positive practices and replicability of the standards achieved.



1.

PLAN

Knowledge of motivations produces sustainable solutions.



2.

DO

The plan is implemented, the process executed, the product created.



3.

CHECK

The actual result of the assumptions is verified, under real conditions.



4.

ACT

The problem has been solved, the improvement is achieved.



SHARE

**WE MAKE A CHANGE.
LET'S PUT QUALITY
INTO THE STREAM.**



The value of our goals is measured in quality of life.

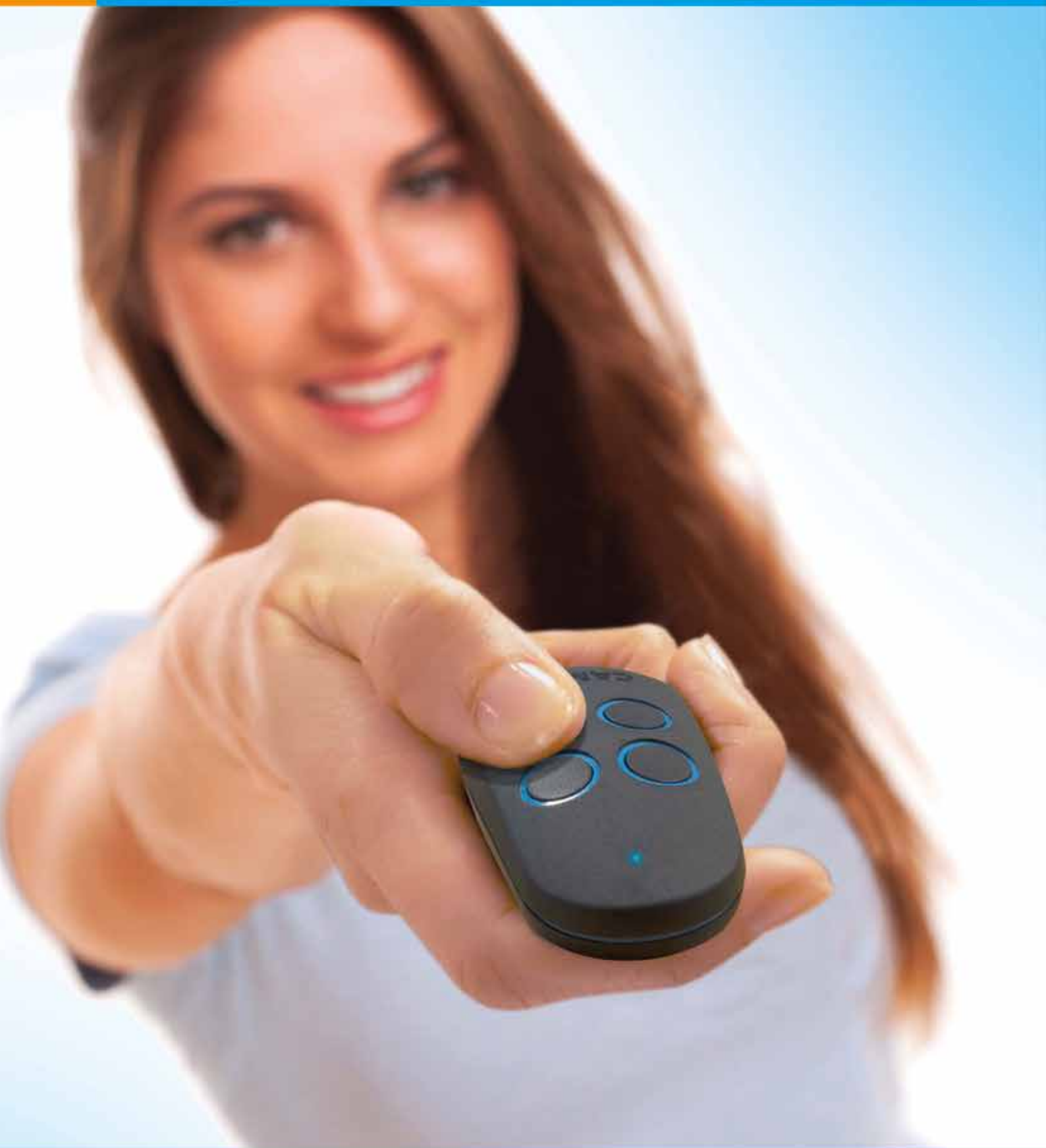


RADIO TRANSMITTERS

NEWS



TOP



THE CAME REMOTE CONTROL

TOP is the evolution of the CAME radio control, available in 5 different versions to allow the most complete flexibility and meet all market requirements. Its ergonomic shape and high quality materials guarantee a durable and reliable product in all conditions.

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



LIGHT BLUE TOP - ROLLING CODE 433.92 MHZ

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

4 buttons: TOP44RBN - 806TS-0270



GREEN TOP - ROLLING CODE 433.92 - 868.35 MHZ

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

4 buttons: TOPD4REN - 806TS-0290



BLACK TOP - FIXED CODE 433.92 MHZ

It ensures maximum flexibility of use and easy duplication. The self-learning function allows the TOP code to be duplicated on other CAME radio control models and vice versa.

2 buttons: TOP42FGN - 806TS-0300

4 buttons: TOP44FGN - 806TS-0310



ORANGE TOP - FIXED CODE 433.92 - 868.35 MHZ

It combines the convenience of fixed code technology with the versatility of dual frequency technology. This version can transmit at either 433.92 MHz or 868.35 MHz (default frequency) according to the system specifications.

4 buttons: TOPD4FRN - 806TS-0330



SLIDING GATES

NEWS

N

BXV PLUS



ALL THE POWER AND RELIABILITY OF BXV, WITH MUCH MORE

BXV PLUS is the 24 Volt operator for sliding gates up to 1000 Kg, developed to simplify installation and configuration operations, thanks to innovative electronic functions. It features a graphic display and protective cover for maximum convenience and safety during set-up and maintenance, and is also equipped with larger connection terminals to simplify wiring operations.

The new ZBC1 electronic board provides BXV PLUS with new functions to offer even higher performance:

IT IS EQUIPPED WITH ADAPTIVE SPEED & TORQUE TECHNOLOGY

to ensure smooth movement in all weather conditions by constantly monitoring travel speed, acceleration and deceleration ramps and current consumption.

IT IS COMPATIBLE WITH CXN BUS SYSTEMS

thanks to the inputs for the connection of accessories with non-polarized 2-wire technology, that can be used also for traditional systems.

IT IS DEVELOPED WITH CONNECT TECHNOLOGY

with connection slots for Wi-Fi or GSM gateways for remote management, or CAME KEY for local configuration via smartphone.

IT INCLUDES THE AUTO-SETUP FUNCTION

available either through the assisted quick setup procedure directly on the board display, or by using the CONNECT SETUP App from a smartphone connected via CAME KEY.





ACCESSORIES

NEWS

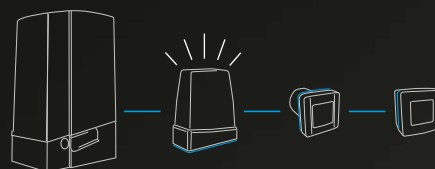
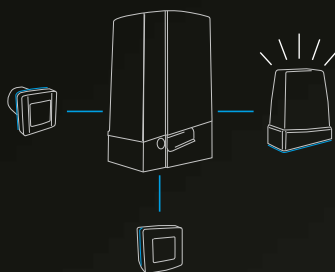
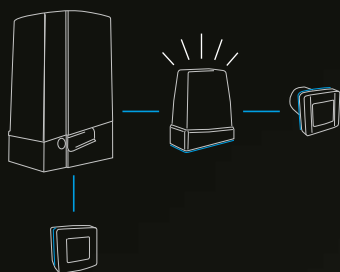


CXN BUS

MIXED CONNECTION

STAR CONNECTION

DAISY CHAIN CONNECTION



ACCESSORIES WITH CXN BUS CONNECTION

With the CXN line of accessories with BUS technology, installation can be completed more easily and quickly. Each individual accessory can be configured after completing installation and setting the address of each device. It is also possible to obtain a complete diagnosis on each device. The new control panels for swing gates ZLX24SA and ZLX24MA, the GARD GT4 and GARD GT8 barriers, and the new BXV PLUS have been developed with CXN BUS technology and therefore allow the connection of both traditional accessories and non-polarized 2-wire accessories.*

KEYPAD SELECTORS

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

TRANSPONDER SELECTORS

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

DLX SERIES PHOTOCELLS

806TF-0090
806TF-0100

DXR SERIES PHOTOCELLS

806TF-0110

KRX SERIES PHOTOCELLS

806LA-0050

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

RGB FLASHING LIGHT



2-WIRE CXN BUS CONNECTION





ACCESSORIES

NEWS

N

KRX



FLASHING LIGHTS WITH INTEGRATED ANTENNA

The clean lines and integrated antennas provide the new KRX flashing light with a modern design, ideal for any context. It is developed with universal power supply from 24 V AC - DC to 230 V AC to adapt to any type of installation, and is equipped with a built-in dual frequency antenna 433.92 MHz and 868.35 MHz. It is also available with an optional wall-mount bracket 806LA-0040.

The KRX beacon is available in 2 variants:

KRX FOR CXN BUS SYSTEMS

Equipped with RGB LED lighting with the possibility of selecting the color of the light or setting a color changing effect as desired. It is connected using non-polarized two-wire CXN BUS technology for ease of use.

RGB LED SYSTEM

806LA-0050

KRX FOR TRADITIONAL SYSTEMS

Developed in 3 different color models, it allows to choose the variant that best matches the context or installation requirements.

ORANGE COVER

806LA-0010

YELLOW COVER

806LA-0030

WHITE COVER

806LA-0020

RGB LED SYSTEM





ACCESSORIES

NEWS

N

GATEWAYS



PLUG-IN WIRELESS DEVICES

WI-FI GATEWAY 806SA-0140 FOR DIRECT CONNECTION TO CAME CONNECT

This is the device that allows to connect the automation to an Internet network without using cables.

Thanks to Wi-Fi technology, it connects to any router to access the Internet and enable all the functions made available by the CAME cloud, including CONNECT services.

Once the installer has completed the system configuration phase, the 806SA-0140 gateway can be used by the end user to control the automation in 2 modes:

IN WI-FI MODE

Simply keep the device connected in Wi-Fi mode to the internet network.

IN BLUETOOTH® MODE

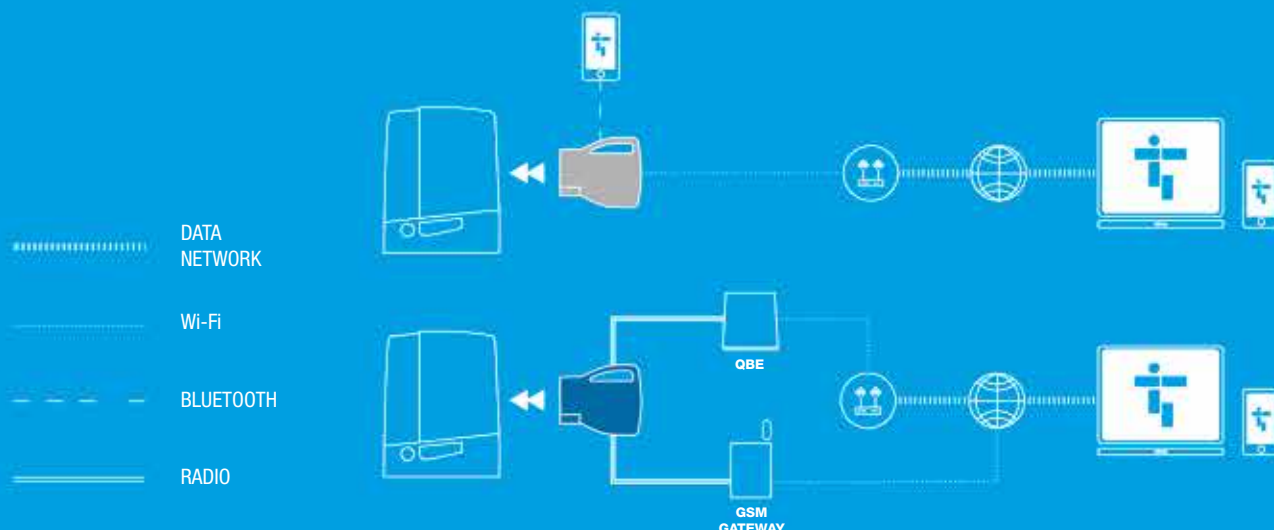
During installation, by pressing the selection button on the device, it is possible to switch from Wi-Fi mode to Bluetooth® mode. This option is useful in the absence of a Wi-Fi network, as it allows the automation to be controlled locally, using a smartphone, replacing the Bluetooth® digital selector.

SLAVE MODULE 806SA-0150 FOR CONNECTION TO RADIO GATEWAYS

It is the device for connecting the automations to a radio gateway and can operate in combination with:

GATEWAY GSM, the SIM card gateway that connects to the Internet via telephone line.

GATEWAY QBE The gateway that connects to any router via Ethernet cable or Wi-Fi for Internet access.



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



40	SELECTION GUIDE
42	STANDARD INSTALLATION
44	BXL
46	BXV
50	BX
52	BK
56	BKV
60	BY-3500T
63	CONTROL BOARD FUNCTIONS

Selection guide

Sliding gate operators

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

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

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



SLIDING GATES RIGHT OR LEFT OPENING

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



PAIRED OPENING

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



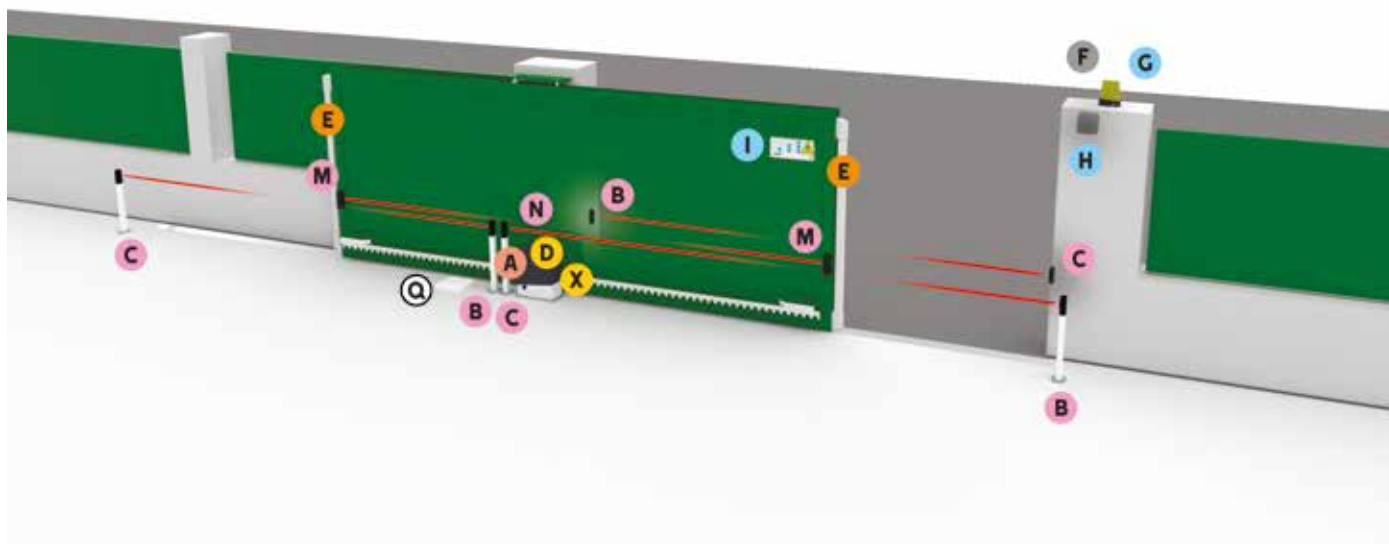
INDUSTRIAL APPLICATION

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

The flashing light for movement signaling.

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





COMPONENTS

- | | |
|--|---|
| A Operator (garmotor with control board) | H Control switch
(Key – Code – Card or transponder fob) |
| B TX Photocells | I Plaque |
| C RX Photocells | M Cordless TX photocells |
| 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: 001BY-3500T)

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)



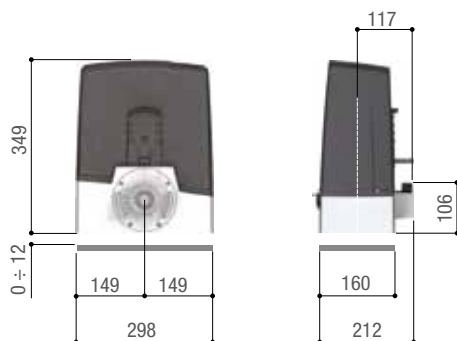
MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
400 kg	10 m	50%

Solution for sliding gates in residential settings

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



Dimensions (mm)



Operational limits

MODELS	801MS-0140
Max. length of leaf (m)	10
Max. weight of leaf (kg)	400
Pinion module	4

Technical characteristics

MODELS	801MS-0140
Protection rating (IP)	44
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Absorption (A)	7 MAX
Power (W)	170
Duty/cycle (%)	50
Thrust (N)	350
Operating temperature (°C)	-20 ÷ +55

Code Description

Complete operators with 24 V DC gearmotor

801MS-0140



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



Accessories

001**RGP1**

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



001**R800**

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



Accessories

002**RLB**

Circuit board for emergency operation and battery charging.



Racks

009**CGZ**

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



009**CGZP**

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



009**CGZS**

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



EASY RELEASE!

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

MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
UP TO 1000 kg	UP TO 20 m	HEAVY DUTY



Solution for sliding gates in residential settings and apartment blocks

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

Dimensions (mm)



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

Battery type

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

Operational limits

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250	801MS-0570	801MS-0580	801MS-0590
Max. length of leaf (m)	14	18	20	20	14	18	20	14	18	20
Max. weight of leaf (kg)	400	600	800	1000	400	600	1000	400	600	1000
Pinion module	4	4	4	4	4	4	4	4	4	4

Technical characteristics

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160
Protection rating (IP)	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC
Power (W)	170	270	400	400	240
Maneuvering speed (m/min)	12	12	11	11	22
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Cycles/Hour	-	-	-	-	-
Thrust (N)	350	600	800	1000	250
Operating temperature (°C)	-20 ÷ +55	-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

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

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



Complete operators with 24 V DC gearmotor

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

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



Complete operators with 24 V DC gearmotor - FAST Version

801MS-0160 BXV04AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 400 kg that are up to 14-m long. RAL7024-gray cover (Rapid version up to 22 m/min.).

801MS-0190 BXV06AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 600 kg that are up to 18-m long. RAL7024-gray cover (Rapid version up to 20 m/min.).

801MS-0250 BXV10AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 1,000 kg that are up to 20-m long. RAL7024-gray cover (Rapid version up to 20 m/min.).



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

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

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



Complete operators with 24 V DC gearmotor - PLUS Version

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



Technical characteristics

MODELS	801MS-0190	801MS-0250	801MS-0570	801MS-0580	801MS-0590
Protection rating (IP)	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC
Power (W)	240	360	170	270	400
Maneuvering speed (m/min)	20	20	12	12	11
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	-	-	-
Cycles/Hour	-	-	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE
Thrust (N)	330	450	350	600	1000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

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 RGP1	Green Power module to disconnect the transformer for energy saving while the operator is not in use.
001 R700	Control board for decoding and access-control management via transponder selector.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
Accessories for: 001RSDN001	
001 H3000	Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.
Accessories	
002 RLB	Circuit board for emergency operation and battery charging.
24	
Racks	
009 CGZ	Module 4 rack made of 22 x 22 mm galvanized steel.
009 CGZP	Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.
009 CGZS	Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



WE CONNECT. YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use. A convenient handle lets you release the gearmotor to manually open the gate.



SEL BT

BLUETOOTH SWITCHES FOR REMOTE CONTROL

FIND OUT MORE ON PAGE 226

CAME 

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



MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
UP TO 800 kg	14 m	30%

Solution for sliding gates in residential settings

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



Dimensions (mm)



Operational limits

MODELS	801MS-0020	801MS-0030
Max. length of leaf (m)	14	14
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 AC	230 AC
Absorption (A)	1,5	2,5
Power (W)	320	520
Manoeuvring speed (m/min)	10,5	10,5
Duty/cycle (%)	30	30
Cycles/Hour	17	17
Thrust (N)	600	800
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150

Code Description

Operators with 230 V AC gearmotor, tested in compliance with regulatory standards EN 12453 – 12445.

801MS-0020



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



Complete operators with 230 V C gearmotor

801MS-0030



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



Accessories

001RGP1

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



001R001

Lock cylinder with DIN key.



001B4337

Chain drive device.



009CCT

Simple 1/2" chain.



009CGIU

Joint for 1/2" chain.



001R700

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



001R800

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



002RSE

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



801XC-0100

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



Racks

009CGZ

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



009CGZP

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



009CGZS

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



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.



MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
UP TO 2200 kg	UP TO 23 m	UP TO 22 CYCLES/HOUR



Solution for large sliding gates

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

Dimensions (mm)



Operational limits

MODELS	801MS-0070	801MS-0080	801MS-0090	801MS-0100	801MS-0120	801MS-0130
Max. length of leaf (m)	20	20	20	20	20	23
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 V AC THREE PHASE
Power supply to motor (V)	230 AC	230 AC	230 AC	230 AC	230 AC	230/ 400 V AC THREE PHASE
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
Motor's heat protection (°C)	150	150	150	150	150	150

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


Code Description

Complete operators with 230 V C gearmotor

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





230 - 400 V AC three-phase gearmotors

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



230 - 400 V AC three-phase control panels

002ZT6 	Control panel with self-diagnosing safety-devices.
002ZT6C 	Control panel, complete with safety lock and buttons, with safety devices self-diagnosis.



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

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



THE COMPLETE RANGE

Code Description

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



WE CONNECT. YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.





SEL

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

FIND OUT MORE ON PAGE 224 - 226

CAME 

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



MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
UP TO 2500 kg	20 m	CONTINUOUS OPERATION



Solution for large sliding gates

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

Dimensions (mm)



Operational limits

MODELS	801MS-0300	801MS-0310	801MS-0320	801MS-0350	801MS-0360	801MS-0370	801MS-0520
Max. length of leaf (m)	20	20	20	20	20	20	20
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 DC	36 DC	36 DC	36 DC	36 DC	36 DC	36 DC
Absorption (A)	8	9	10	8	9	10	10
Power (W)	200	250	300	200	250	300	300
Maneuvering speed (m/min)	12	12	12	12	12	12	12
Cycles/Hour	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE
Thrust (N)	800	900	1000	800	900	1000	650
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

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 - Operator 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 sliding gates weighing up to 2500 kg that are up to 20-m long. RAL7024-grey cover.



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 to the installation parameters.

THE COMPLETE RANGE

Code Description

Accessories

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

24



Accessories

801XC-0120 Chain drive device.



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



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



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



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



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



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



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



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



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

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



Racks

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



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



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



BY-3500T

SLIDING GATE AUTOMATION



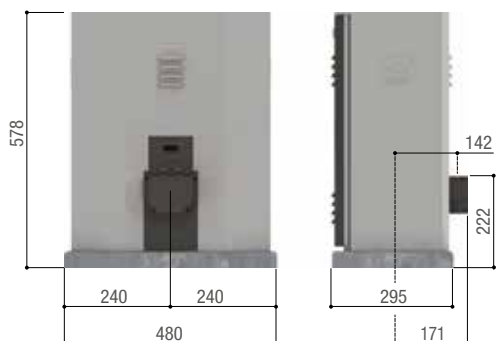
MAXIMUM LEAF WEIGHT	MAXIMUM LEAF LENGTH	DUTY CYCLE
3500 kg	17 m	8 CYCLES/HOUR



The ideal solutions for sliding gates at industrial sites.

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

Dimensions (mm)



Operational limits

MODELS	BY-3500T
Max. length of leaf (m)	17
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 V AC THREE-PHASE
Power supply to motor (V)	400 V AC THREE-PHASE
Absorption (A)	2
Power (W)	1000
Maneuvering speed (m/min)	10,5
Cycles/Hour	8
Thrust (N)	3500
Operating temperature (°C)	-20 ÷ +55
Motor's heat protection (°C)	140

● 230 – 400 V AC THREE PHASE

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

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

001 **BY-3500T**



BY3500T - Operator with 230 - 400 V motor, featuring a control board, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 3500 kg that are up to 17-m long.

Racks	
-------	--

009 **CGZ6**

Galvanized rack module 6 in 30 x 30 laminated steel.





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

	<div> <div>24</div> <div>24</div> <div>24</div> <div>T</div> <div>24</div> </div>						
Models / Series	BX	BK	BKV	BXL	BXV	BY-3500T BK	BXV (PLUS)
Control board / Control panel	ZBX7N	ZBKN	ZN8	ZN6	ZN7	ZT6	ZBC1
Safety							
SELF-DIAGNOSING safety decives	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●	●
Obstruction WAIT	●	●	●	●	●		●
TOTAL STOP	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●	●
ENCODER	●	●	●	●	●		●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●		●	●	●		●
AMPEROMETRIC DETECTION			●	●	●		●
Command							
PARTIAL OPENING 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	●	●			●		
Electronic brake	●	●				●	
SELF-LEARNING opening and closing limit-switches	●	●**	●	●	●		●
CAME Connect	●	●	●		●		●
Designed to fit RIO System 2.0	●	●	●		●		●
CRP control	●	●	●		●		●
ENERGY SAVINGS control (001RGP1)	●	●	●	●	●		

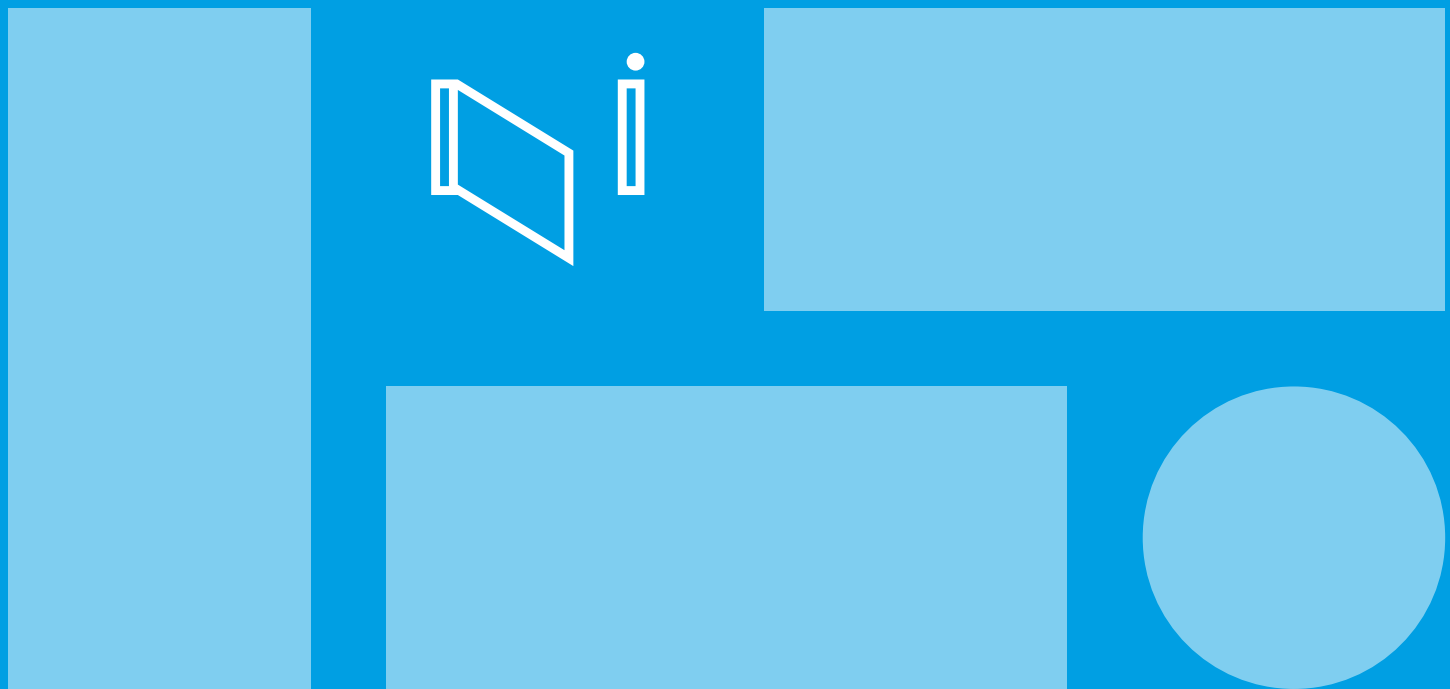
● 230 V AC ● 24 - 36 V DC ● 230 - 400 V AC THREE PHASE

NOTES

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

** Encoder versions only

SWING GATE AUTOMATION



66	SELECTION GUIDE
70	STANDARD INSTALLATION
72	ATS
76	AXL
78	AXI
80	AXO
82	ATI
84	KRONO
86	STYLO
88	FTL
90	FTX
94	FAST 70
98	FERNI
100	FROG
104	FROG PLUS
106	SUPER FROG
109	CONTROL BOARD FUNCTIONS

Selection guide

Swing gate operators

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

Series	Model	Max. width of leaf (m)	Max. C-distance (mm)
FROG	FROG-AV	1.3	-
STYLO	STYLO-RME	1.8	180 (200 with item 001STYLO-BD)
STYLO	STYLO-ME	1.8	180 (200 with item 001STYLO-BD)
AXL	801MP-0020	2	60
AXI	801MP-0030	2	60
FTL	801MB-0080	2	150 (300 with item 801XC-0070)
FTL - FTX	801MB-0050	2	150 (300 with item 801XC-0070)
FTX	801MB-0070	2	150 (300 with item 801XC-0070)
FTX	801MB-0110	2	50 (300 with item 801XC-0070)
FTX	801MB-0120	2	50 (300 with item 801XC-0070)
FAST 70	FA70230CB	2.3	200 (300 with item 801XC-0070)
FAST 70	FA70230	2.3	200 (300 with item 801XC-0070)
FAST 70	FA7024CB	2.3	200 (300 with item 801XC-0070)
FAST 70	FA7024	2.3	200 (300 with item 801XC-0070)
FAST 70	801MB-0090	2.3	300
FAST 70	801MB-0100	2.3	300
AXI	801MP-0040	2.5	60
ATS	801MP-0050	3	200
ATS	801MP-0070	3	200
ATS	801MP-0090	3	200
ATS	801MP-0110	3	200
ATI	A3000A	3	60
ATI	A3024N	3	60
ATI	A3000	3	60
AXO	AX302304	3	70
AXO	AX312304	3	70
AXO	AX3024	3	70
KRONO	KR300D - KR300S	3	60
KRONO	KR302D - KR302S	3	60
KRONO	KR310D - KR310S	3	60
KRONO	KR312D - KR312S	3	60
FROG	FROG-A	3.5	-
FROG	FROG-AE	3.5	-
FROG	FROG-A24	3.5	-
FROG	FROG-A24E	3.5	-
AXO	AX402306	4	70
AXO	AX412306	4	70
FERNI	FE40230	4	380
FERNI	FE40230V	4	380
FERNI	FE4024	4	380
FERNI	FE4024V	4	380
ATS	801MP-0060	5	200
ATS	801MP-0100	5	200
ATS	801MP-0080	5	200
AXO	AX5024	5	150
ATI	A5000A	5	120
ATI	A5024N	5	120
ATI	A5000	5	120
KRONO	KR510D - KR510S	5	120
KRONO	KR512D - KR512S	5	120
FROG PLUS	FROG-PM4	5.5	-
AXO	AX71230	7	150
FROG PLUS	FROG-PM6	7	-
SUPER FROG	FROG-MD - FROG-MS	8	-

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



SWING GATES BELOW-GROUND OPERATOR

It is practically invisible and does not change the gate's aesthetics.
It does not limit the net clearance width.

CAME 



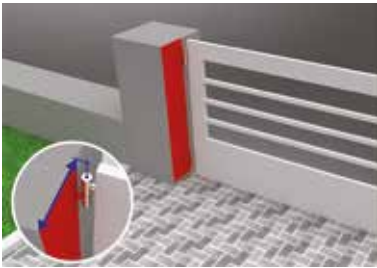
SWING GATES SURFACE OPERATOR

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.

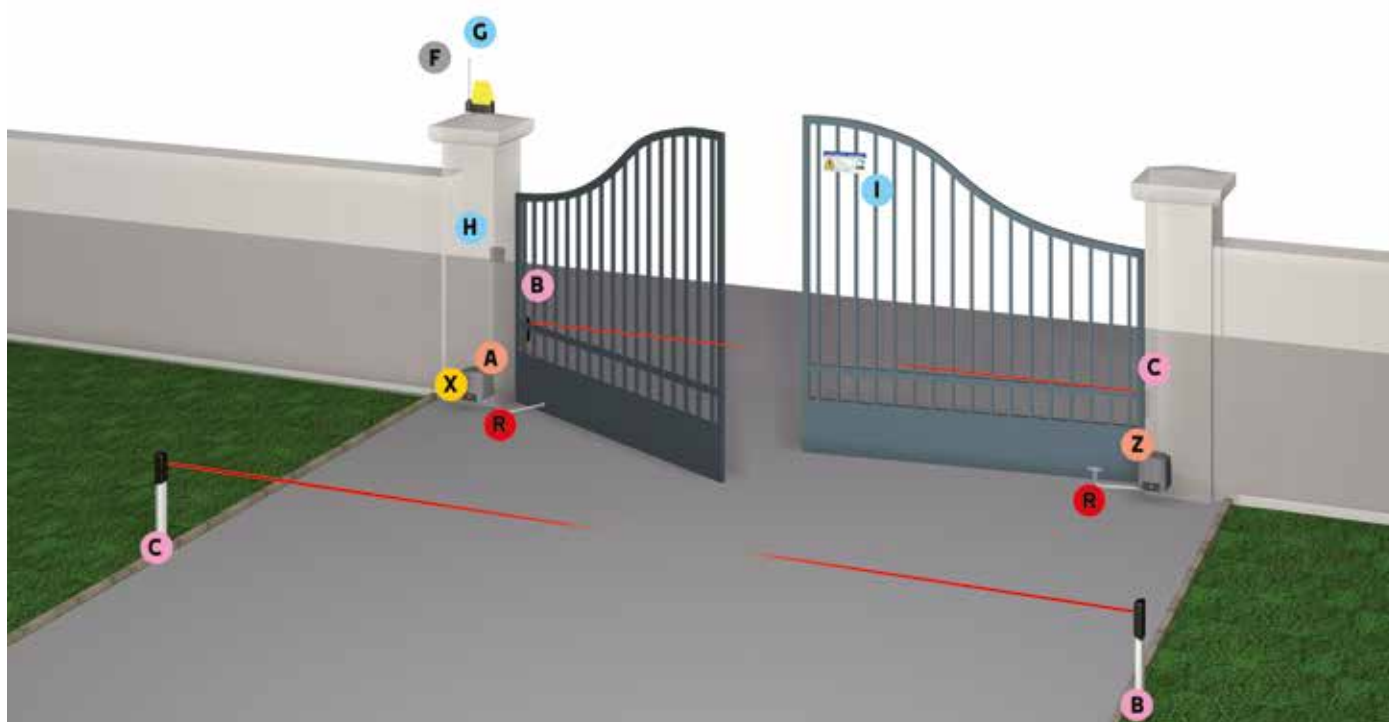
The flashing light for movement signaling.

CAME has always suggested installing the flashing light
as an additional safety feature for the automation system.
The KRX range, with LED technology, combines energy
saving and great reliability with easy installation.

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



SWING GATE WITH POWER ARM



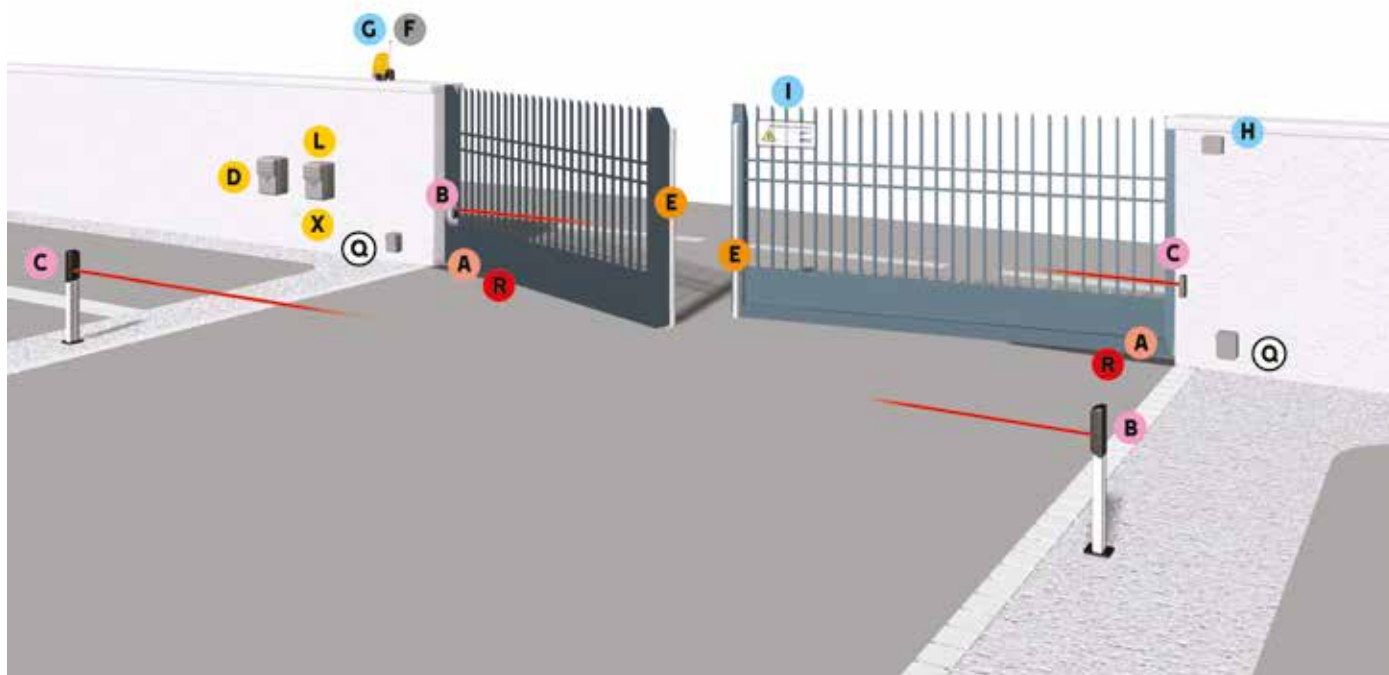
COMPONENTS

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

CABLES FOR STANDARD INSTALLATIONS

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

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

ZLX24

ZLX24SA

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

ZLX24MA

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



THE UNIVERSAL 24 V CONTROL PANEL FOR SWING GATES

CONNECT TECHNOLOGY

for digital automation management, both locally and remotely.

COMPATIBLE WITH ALEXA

for voice-controlled automation management.

ADVANCED ELECTRONIC FUNCTIONS

to simplify configuration operations, even from smartphones.

ADAPTIVE SPEED AND TORQUE CONTROL

for maximum efficiency in all weather conditions.

VIRTUAL ENCODER AND INTELLIGENT MOTION CONTROL

for obstacle detection and deceleration management.

COMPATIBLE WITH CXN BUS SYSTEMS

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

COMPATIBLE WITH THE WIRELESS RIO SYSTEM 2.0

for connecting accessories without wiring.

EASY INSTALLATION

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



COMPATIBLE 24V FIXED-ARM MOTORS

ATS



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

ATI



001A3024N
001A5024N

AXO



001AX3024
001AX5024

AXI



801MP-0030
801MP-0040

COMPATIBLE 24V ARTICULATED ARM MOTORS

FTX



801MB-0050

FAST 70



001FA7024
801MB-0100

FERNI



001FE4024
001FE4024V

STYLO



001STYLO-ME
001STYLO-RME

UNDERGROUND 24V MOTORS

FROG



001FROG-A24
01FROG-A24E

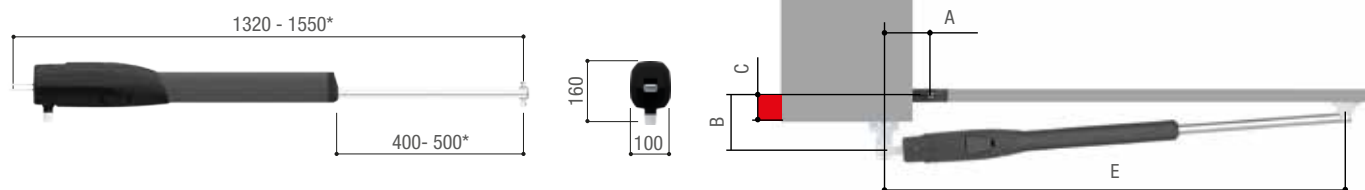
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 5 m	UP TO 800 kg	CONTINUOUS OPERATION	200 mm

Solution for residential settings and apartment blocks, 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

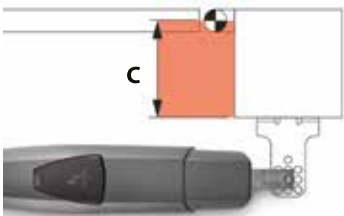
Technical characteristics

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 SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	-	-	-

● 230 V AC ● 24 V DC

Code Description

230 V AC Gearmotors		
801MP-0050	ATS30AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color.	
801MP-0060	ATS50AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with up to 5 m leaves that weighs up to 400 kg. RAL7024 gray color.	
801MP-0090	ATS30AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, ready for remote release, with up to 3 m leaves that weighs up to 400 kg. RAL7024-gray color.	
801MP-0100	ATS50AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, ready for remote release, with up to 5 m leaves that weighs up to 400 kg. RAL7024-gray color.	
Control panels for 230 V AC gearmotors		
002ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	
002ZM3E 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding.	
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 	Control panel for one or two-leaf swing gates, with programming display, self-diagnosing safety devices and on-board radio decoding.	



C MAX UP TO 200 MM

ATS is the universal solution, ideal for both small or large residential settings.

It is a very versatile operator and thanks to the telescopic extension it is able to adapt perfectly to posts of different depths.

EASY MANUAL RELEASE

In case of need it is possible to unlock the motor to open or close the gate leaf manually.

A single gesture is sufficient to unlock ATS. The pin to be operated is protected by a flap that simply opens with a finger.

The new tri-lobed key also has a completely new design, for greater ergonomics.

THE COMPLETE RANGE

Code Description

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

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



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

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



Accessories

001**LOCK81** Single cylinder electric lock.



001**LOCK82** Double cylinder electric lock.





MONDRIAN

TUBULAR MOTORS WITH MECHANICAL LIMIT SWITCH

SEE THE AUTOMATIONS FOR AWNINGS,
SHUTTERS AND BLINDS CATALOG.

CAME 

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



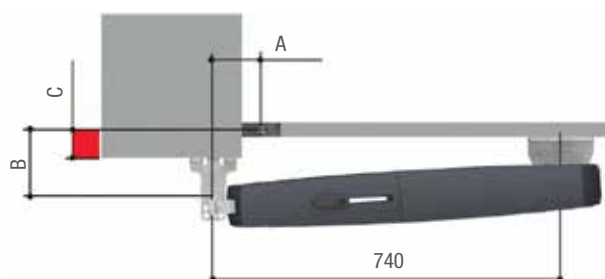
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 2.2 m	UP TO 250 kg	50%	60 mm

Solution for residential settings

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



Dimensions (mm)



Operational limits

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

Application dimensions (mm)

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

Technical characteristics

MODELS	801MP-0020
Protection rating (IP)	44
Power supply to motor (V)	24 DC
Power (W)	120
Maneuvering time at 90° (s)	15
Duty/cycle (%)	50
Thrust (N)	400 ÷ 2000
Operating temperature (°C)	-20 ÷ +55

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

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

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



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

002ZL60	Control panel for one or two-leaf swing gates, dip-switch setting, on-board radio decoding and self-diagnosing safety devices.
----------------	--



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

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



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

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



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



Accessories	
-------------	--

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



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

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



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

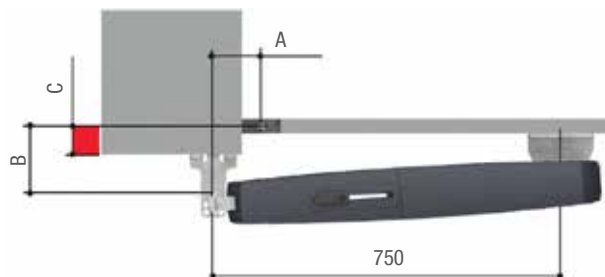
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 2.5 m	UP TO 250 kg	50%	60 mm

Solution for residential settings and apartment blocks

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



Dimensions (mm)



Operational limits

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

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

Application dimensions (mm)

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

Technical characteristics

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

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

Code

Description

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

801MP-0030



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

801MP-0040



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

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

002ZL65



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

801QA-0050



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

801QA-0060



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

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

002RLB



Circuit board for emergency operation and battery charging.

Accessories for: 002ZL65

001RGP1

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

001R700

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

001R800

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

002RSE

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

NOTES:

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



WE CONNECT. YOU CONTROL.

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



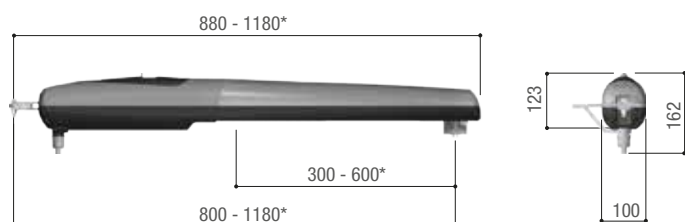
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 7 m	UP TO 1000 kg	HEAVY DUTY	150 mm

Solution for residential settings and apartment blocks

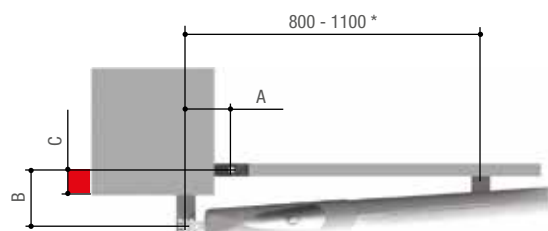
- Motor and encoder management with three-wire cable in 24 V DC versions.
- Supporting structure in die-cast aluminium.
- Ready for operation in case of power outage in the 24 V DC versions.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control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



Dimensions (mm)



* 001AX5024 • 001AX71230



Operational limits

MODEL	AX302304 • AX312304 • AX3024				
Max. width of leaf (m)	3	2,5	2		
Max. weight of leaf (kg)	500	600	800		
MODEL	AX402306 • AX412306				
Max. width of leaf (m)	*4	3	2,5	2	
Max. weight of leaf (kg)	300	500	600	800	
MODEL	AX5024				
Max. width of leaf (m)	*5	*4	3	2,5	2
Max. weight of leaf (kg)	400	500	700	800	1000
MODEL	AX71230				
Max. width of leaf (m)	**7	**6	*5	*4	3
Max. weight of leaf (kg)	300	350	400	500	700
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:

* It is obligatory to fit an electric lock on the gate leaf.

** Do not fit panels on gate leaves longer than 5 m. With reversible versions, when the gate is open, the gate leaf could close back up if there is a strong wind.

Technical characteristics

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

Code Description

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

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



230 V AC Gearmotors

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



Control panels for 230 V AC gearmotors

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



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

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



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

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



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

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



Accessories

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



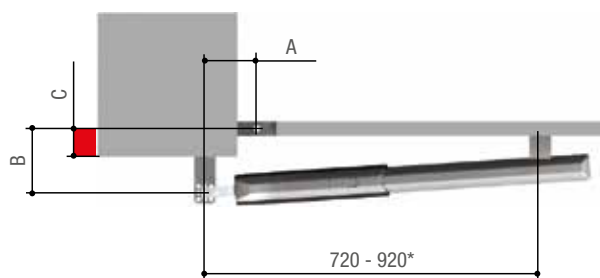
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 5 m	UP TO 1000 kg	HEAVY DUTY	120 mm

Solution for residential settings and apartment blocks

- Irreversible gearmotor.
- Amperometric obstruction detection.
- Motor and encoder management with three-wire cable in 24 V DC versions.
- 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				

NOTES: * It is obligatory to fit an electric lock on the gate leaf.

Application dimensions (mm)

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

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

Technical characteristics

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

● 230 V AC ● 24 V DC

Code Description

230 V AC Gearmotors	
001 A3000	Irreversible 230 V gearmotor for swing gates with opening limit-switch micro-switches with up to 3 m leaves that weighs up to 400 kg.
001 A3000A	Irreversible 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 3 m leaves that weighs up to 400 kg.
001 A5000	Irreversible 230 V gearmotor with opening limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg.
001 A5000A	Irreversible 230 V gearmotor with opening and closing limit-switch micro-switches for swing gates with up to 5 m leaves that weighs up to 400 kg.
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.
24 V DC gearmotors	
001 A3024N 	Irreversible 24 V gearmotor for swing gates with up to 3 m leaves that weighs up to 400 kg.
001 A5024N 	Irreversible 24 V gearmotor with opening limit-switch micro-switch and closing micro-switch for swing gates with up to 5 m leaves that weighs up to 400 kg.
Control panels for 24 V DC gearmotors	
801QA-0050 	ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.
801QA-0060 	ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.
Accessori per: 801QA-0050 - 801QA-0060	
002 RLB 	Circuit board for emergency operation and battery charging.
Accessories	
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 D001	Lock cylinder with DIN key.
001 H3000	Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



KRONO

SWING GATE AUTOMATION

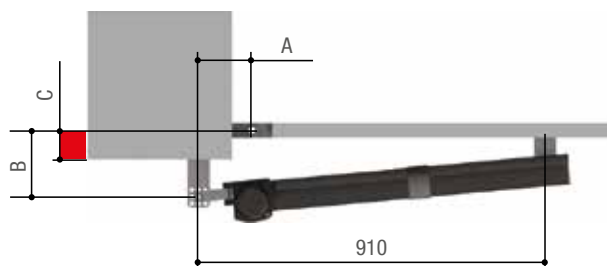
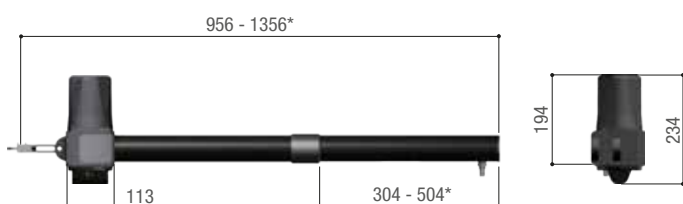
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 5 m	UP TO 1000 kg	16 CYCLES/HOUR	120 mm

Solution for residential settings

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



Dimensions (mm)



* 001KR510D · 001KR510S

Operational limits

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

MODEL	KR510D · KR510S · KR512D · KR512S				
Max. width of leaf (m)	5	4	3	2,5	2
Max. weight of leaf (kg)	400	500	600	800	1000
Max. leaf opening (°)	120				

Application dimensions (mm)

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

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

Technical characteristics

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

● 230 V AC

Code Description

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



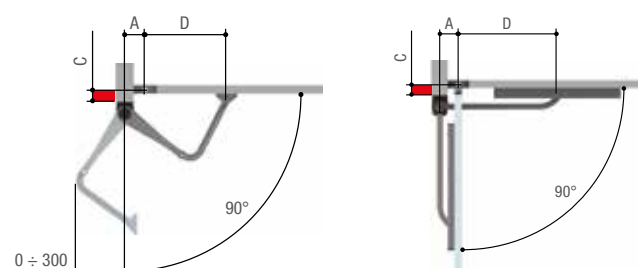
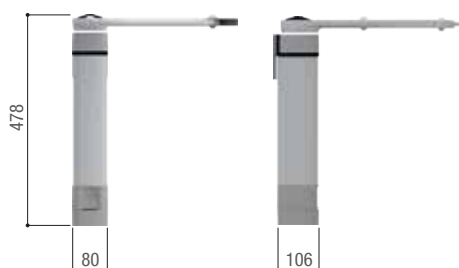
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 1.8 m	UP TO 150 KG	HEAVY DUTY	200 mm

Solution for fitting on posts where little space is available

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



Dimensions (mm)



Operational limits

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

Application dimensions (mm)

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

Technical characteristics

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

Code Description

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

001STYLO-ME Irreversible 24 V gearmotor with encoder for swing gates with up to 1.8 m leaves that weighs up to 100 kg.



001STYLO-RME Reversible 24 V gearmotor with encoder for swing gates with up to 1.8 m leaves that weighs up to 100 kg.



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

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



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



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

002RLB Circuit board for emergency operation and battery charging.



Accessories

001STYLO-BS Folding drive arm.



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



Accessories for: 001STYLO-RME

001LOCK81 Single cylinder electric lock.



001LOCK82 Double cylinder electric lock.



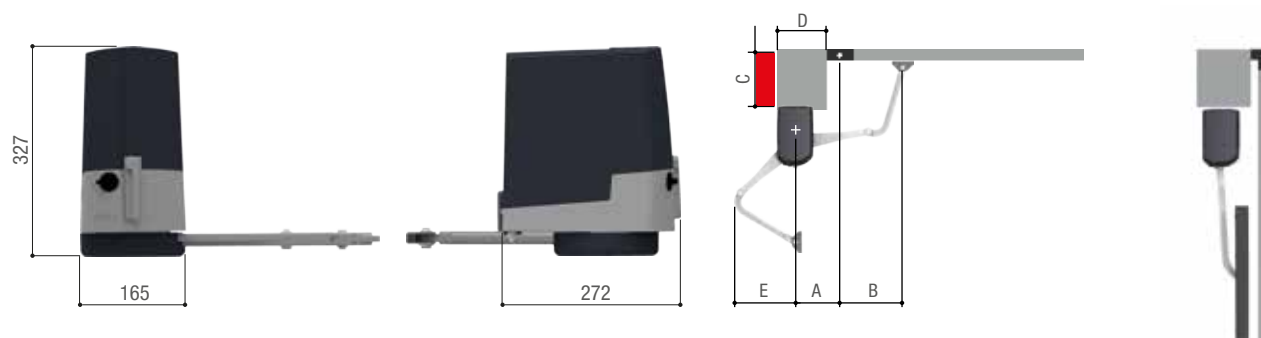
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 2 m	UP TO 250 kg	40 CYCLES/HOUR	300 mm

Solution for residential settings and apartment blocks, on small and medium-sized posts

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



Dimensions (mm)



Application dimensions (mm)

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

Operational limits

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

Technical characteristics

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

Code Description

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

801MB-0080



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



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

801MB-0050



FTX20DGS - Irreversible 24 V gearmotor with with C Max. 150 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey cover.



Accessories for: 801MB-0080

001RGP1

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



001R800

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



Accessories for: 801MB-0080

002RLB

Circuit board for emergency operation and battery charging.



Accessories

001STYLO-BD

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



801XC-0070

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



EASY RELEASE!

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

The handy lever releases the gearmotor for manually opening the gate.

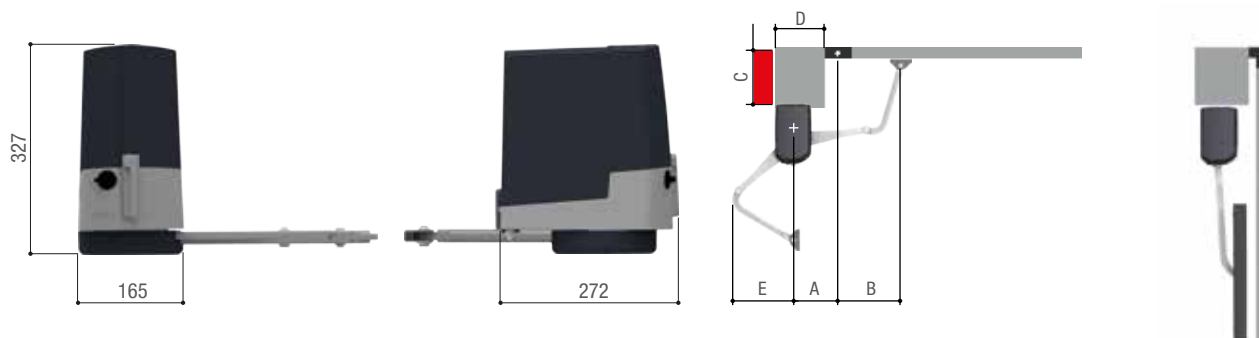
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 2 m	UP TO 250 kg	40 CYCLES/HOUR	300 mm

Solution for residential settings and apartment blocks, on small and medium-sized posts

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



Dimensions (mm)



Application dimensions (mm)

MODELS	801MB-0070 • 801MB-0050		801MB-0110 • 801MB-0120	
LEAF OPENING (°)	A	B	D	E
90	140	420 (490 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)
90	160 ÷ 180	380 (460 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)
110	200 ÷ 220	400 (470 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)

Operational limits

MODELS	801MB-0070 • 801MB-0050 • 801MB-0110 • 801MB-0120	
Max. length of leaf (m)	2	1,7
Max. weight of leaf (kg)	200	225
Max. leaf opening (°)		110

Technical characteristics

MODELS	801MB-0070	801MB-0110	801MB-0050	801MB-0120
Protection rating (IP)	44	44	44	44
Power supply (V - 50/60 Hz)	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)	from 20 to 30	from 20 to 30	from 20 to 30	from 20 to 30
Cycles/Hour	40	40	40	40
Thrust (N)	180	180	180	180
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Code Description

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

801MB-0070



FTX20DGC - Irreversible 24 V gearmotor featuring a control board with functions display, on-board radio decoding and hinged transmission arm with C Max. 150 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey cover.

801MB-0110



FTX20DLC - Irreversible 24 V gearmotor featuring a control board with functions display, on-board radio decoding and hinged transmission arm with C Max. 250 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey cover.



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

801MB-0050



FTX20DGS - Irreversible 24 V gearmotor with with C Max. 150 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey cover.

801MB-0120



FTX20DLS - Irreversible 24 V gearmotor with hinged transmission-arm with C Max. 250 mm for swing gates with up to 2 m leaves that weighs up to 200 kg. RAL7024-grey 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: 801MB-0070 - 801MB-0110

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

Accessories for: 801MB-0070 - 801MB-0110

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



Accessories

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





BKV

**EFFICIENT AND ROBUST FOR
LARGE GATES**

FIND OUT MORE ON PAGE 56

CAME 

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

FAST 70

SWING GATE AUTOMATION



CONNECT



24 V



EN TESTED



ENCODER



RIO SYSTEM 2.0

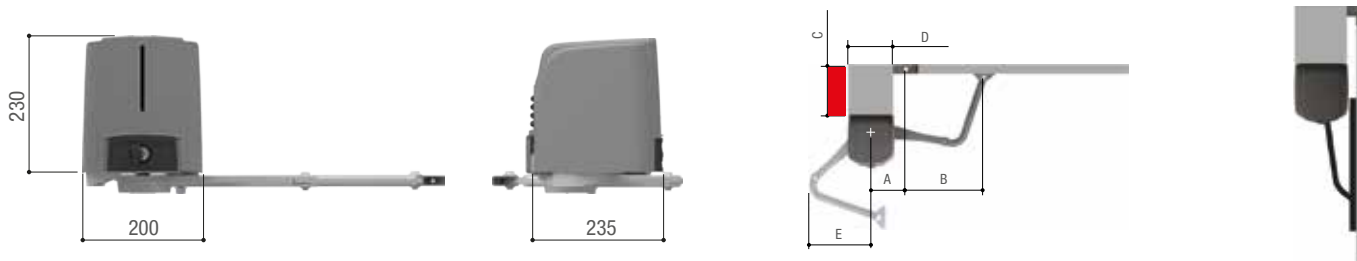
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 2.3 m	UP TO 300 kg	30%	300 mm

Solution for residential settings and apartment blocks, on medium and large-sized posts

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



Dimensions (mm)



Application dimensions (mm)

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

* with item 801XC-0070

Operational limits

MODEL	FA70230CB · FA70230 · FA7024CB · FA7024				801MB-0090 · 801MB-0100	
Max. width of leaf (m)	2,3	2	1,5	1		
Max. weight of leaf (kg)	200	215	250	300		
Max. leaf opening (°)	110					

Technical characteristics

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

● 230 V AC ● 24 V DC

Code Description

230 V AC automated operators

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



230 V AC Gearmotors

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



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

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



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

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



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

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



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

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



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

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



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



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



THE COMPLETE RANGE

Code Description

Accessories for: 002ZL65	
001 RGP1	Green Power module to disconnect the transformer for energy saving while the operator is not in use.
001 R700	Control board for decoding and access-control management via transponder selector.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
Accessori per: 002ZL65 - 801QA-0050 - 801QA-0060	
002 RLB	Circuit board for emergency operation and battery charging.
Accessories for: 002RLB	
001 LBF70	Batteries brace kit.
Accessories	
001 STYLO-BD	Straight drive arm and track with mechanical opening limit-switch.
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 H3000	Case for remote release with customized key, plus pull-cord handle and control button. Cord length L = 5 m.

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





ATS

**THE UNIVERSAL
TELESCOPIC MOTOR
FOR SWING GATES**

FIND OUT MORE ON PAGE 72

CAME 

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

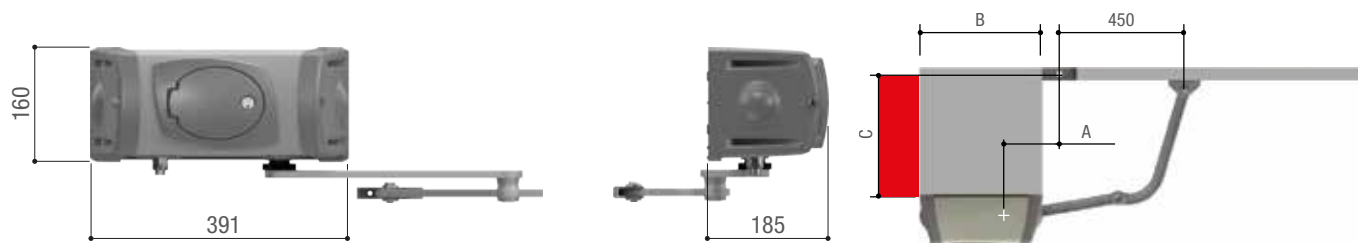
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	C MAX.
UP TO 4 m	UP TO 800 kg	HEAVY DUTY	380 mm

Solution for residential settings and apartment blocks, on large-sized 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		

NOTES: *Fitting an electro-lock onto the leaf is obligatory.

Technical characteristics

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

Code Description

230 V AC Gearmotors	
001 FE40230V 	Irreversible 230 V gearmotor, rapid version, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.
230 V AC gearmotors tested in compliance with regulatory standards EN 12453	
001 FE40230 	Irreversible 230 V gearmotor with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.
Control panels for 230 V AC gearmotors	
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, plus self-diagnosing safety devices and on-board radio decoding.
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453	
001 FE4024 	Irreversible 24 V gearmotor, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.
001 FE4024V 	Irreversible 24 V gearmotor, rapid version, with hinged transmission arm and C Max. 380 mm for swing gates with up to 4 m leaves that weighs up to 400 kg.
Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453	
801 QA-0050    	ZLX24MA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 2 safety inputs and storage for up to 250 users.
801 QA-0060    	ZLX24SA - Multifunctional control panel, with 230 V AC power supply, for 24 V double-leaf gates, with programming and graphical signaling display, self-diagnosis of safety devices, Adaptive Speed & Torque Technology, CXN BUS, 4 safety inputs and storage for up to 1000 users.
Accessori per: 801 QA-0050 - 801 QA-0060	
002 RLB 	Circuit board for emergency operation and battery charging.
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.



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

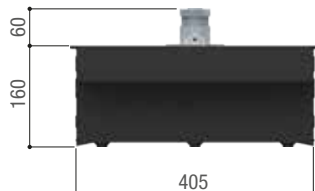
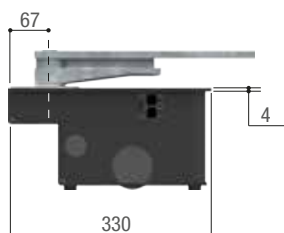
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	TYPE
UP TO 3.5 m	UP TO 800 kg	HEAVY DUTY	UNDERGROUND

Concealed solution for residential settings and apartment blocks

- 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.
- Automatic re-hooking of the release system after the gate manual maneuver.
- Integrated, adjustable mechanical limit switches.
- Opening up to 180° (with FL-180 accessory).
- Ready for operation in case of power outage in the 24 V DC versions.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



A = Min. 67

Operational limits

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

NOTES: * Fitting an electro-lock onto the leaf is advisable.

Technical characteristics

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

● 230 V AC ● 24 V DC

Code Description

230 V AC below-ground gearmotors

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

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



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

001**FROG-AE** 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.



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

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



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

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.



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.



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

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



THE COMPLETE RANGE

Code Description

Accessories for: 001FROG-A - 001FROG-AV - 001FROG-AE - 001FROG-A24E	
001 FL-180	Drive chain lever for up to 180° openings and gate leaves of max. 2 m in length.
Accessories	
001 FROG-CFNI	Foundation box made of AISI 304 steel, with release latching lever, gate fastening brace and screw for adjusting the opening limit point.
001 FROG-CFN	Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace 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.
001 A4366	Release device with customized key and EURO-DIN cylinder.
001 A4370	Drive lever for openings of up to 140° and gate leaves of max. 2 m in length.

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





KRX

**THE LED FLASHING
LIGHT AVAILABLE
IN 3 COLOURS**

FIND OUT MORE ON PAGE 220

CAME 

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



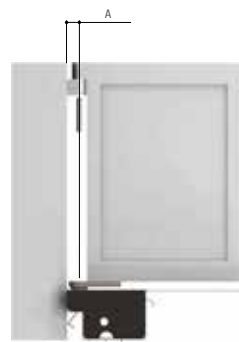
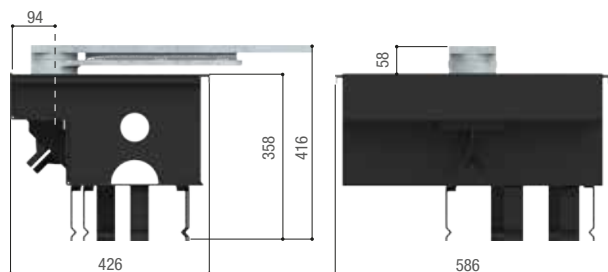
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	TYPE
UP TO 7 m	UP TO 1000 kg	10 CYCLES/HOUR	UNDERGROUND

Concealed solution for residential settings and apartment blocks

- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Equipped with encoder.
- Integrated, adjustable mechanical limit switches.
- Automatic re-hooking of the release system after the gate manual maneuver.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



A = Min. 94

Operational limits

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



NOTES: * It is obligatory to fit an electric lock on the gate leaf.

Technical characteristics

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


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

230 V AC below-ground gearmotors	
----------------------------------	--

001 FROG-PM4 	Irreversible underground 230 V gearmotor with 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.
001 A4366	Release device with customized key and EURO-DIN cylinder.
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.



SUPER FROG

SWING GATE AUTOMATION



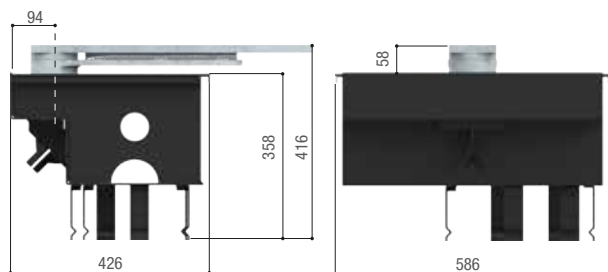
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE	TYPE
UP TO 8 m	UP TO 1500 kg	50%	UNDERGROUND



Concealed solution for special applications

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

Dimensions (mm)



A = Min. 100

Operational limits

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


Technical characteristics

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


● 230 – 400 V AC THREE PHASE

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

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

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

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

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



Foundation box	
-----------------------	--

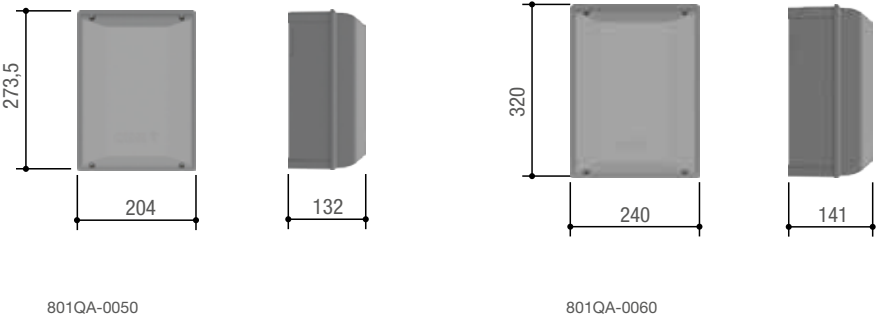
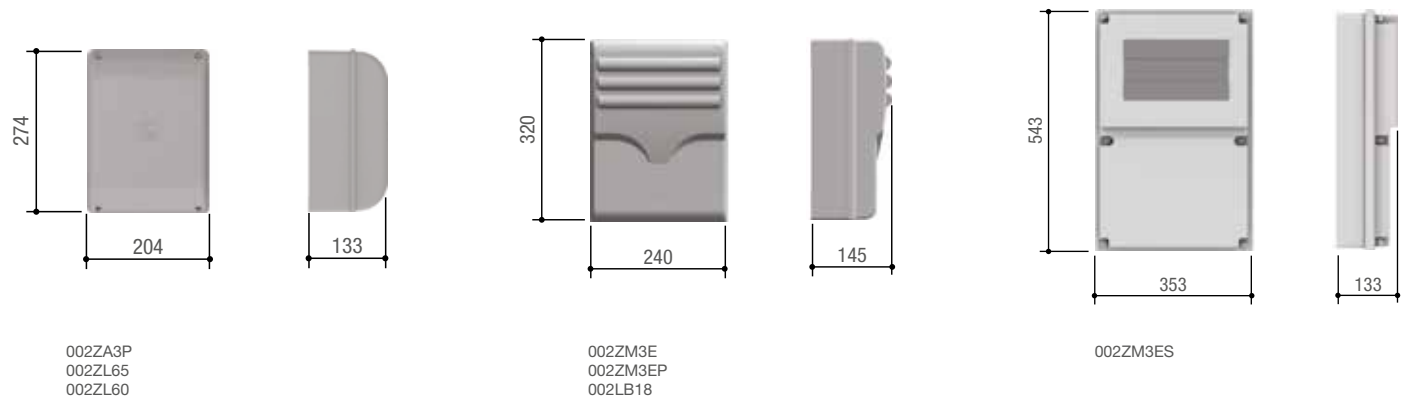
001 FROG-CD	Right-hand, steel cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.
--------------------	--



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

CONTROL PANEL DIMENSIONS

Dimensions (mm)



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

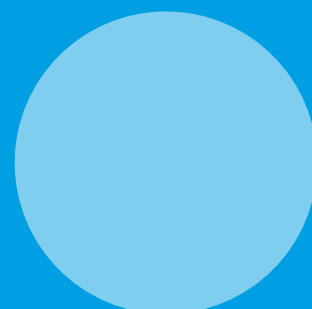
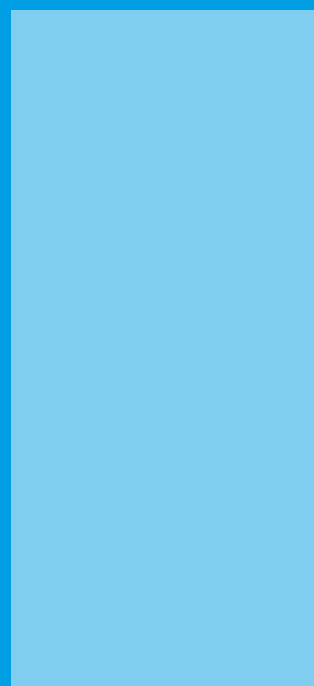
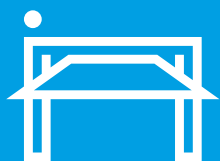
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	ATS STYLO FAST70 AXI FERNI AXO ATI FROG	ATS STYLO FAST70 AXI FERNI AXO ATI FROG	ATS ATI KRONO FROG FAST70 FERNI	ATS AXO FERNI FROG F40230E	FROG PLUS	SUPER FROG	ATS AXI FTX FAST70	AXL FTL
Control board / Control panel	801QA-0050	801QA-0060	ZA3P	ZM3E	ZM3EP	ZM3ES	ZL65	ZL60
Safety								
SELF-DIAGNOSING safety devices	●	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●	●	●
Obstruction WAIT	●	●		●	●	●	●	●
TOTAL STOP	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●
REOPENING when closing and with immediate closing once the obstruction is removed	●	●						
OBSTRUCTION DETECTION in front of photocells			●	●	●	●	●	●
ENCODER	●	●		●	●		●	●
Virtual ENCODER	●	●						
AMPEROMETRIC DETECTION	●	●					●	●
Command								
PEDESTRIAN OPENING 1 leaf	●	●		●	●	●	●	●
PARTIAL OPENING 1 leaf	●	●	●	●	●	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●
DELAYED OPENING 1st leaf	●	●	●	●	●	●	●	●
DELAYED OPENING 2nd leaf	●	●	●	●	●	●	●	●
Characteristics								
FLASHING LIGHT connection	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●	●	●
COURTESY LIGHT connection	●	●	●	●	●	●	●	●
Antenna	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●	●						
Contact output for 2nd RADIO CHANNEL		●	●	●	●	●		
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●
OPERATING TIME adjusting			●	●	●	●	●	●
Connection for the ELECTRIC LOCK and/or RAMMING	●	●	●	●	●	●	●	
SLEEP MODE				●				
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●	●	●		●	●
EMERGENCY BATTERY operation (optional)	●	●					●	●
Adjustable TRAVEL and SLOW-DOWN speeds*	●	●	●	●	●		●	●
DISPLAY	●		●				●	
Graphic DISPLAY		●		●	●	●		
SELF-LEARNING opening and closing limit-switches	●	●	●	●	●		●	●
Compatible with CONNECT technology	●	●		●	●	●	●	
Designed to fit RIO System 2.0	●	●					●	
CRP control	●	●		●	●	●	●	
ENERGY SAVINGS control (001RGP1)	●	●		●			●	●
CXN BUS	●	●						
Adaptive Speed & Torque Technology	●	●						
Slot CAME Key	●	●						
TIMER control		●						
Possibility of managing two different motors		●						

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

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

GARAGE DOOR AUTOMATION



112	SELECTION GUIDE
114	STANDARD INSTALLATION
118	VER PLUS
120	VER
122	EMEGA
125	CONTROL BOARD FUNCTIONS

Selection guide

Garage doors automations

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

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

● 24 V DC



COUNTER-BALANCED OVERHEAD OR SPRING LOADED PARTIALLY RETRACTING DOOR

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

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



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

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

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

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



COUNTER-BALANCED OVERHEAD OR SPRING LOADED

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



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

This type of door is balanced by counter-weights

When opening, the door fully retracts into the garage.



SECTIONAL DOOR

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

The flashing light for movement signaling.

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



COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR



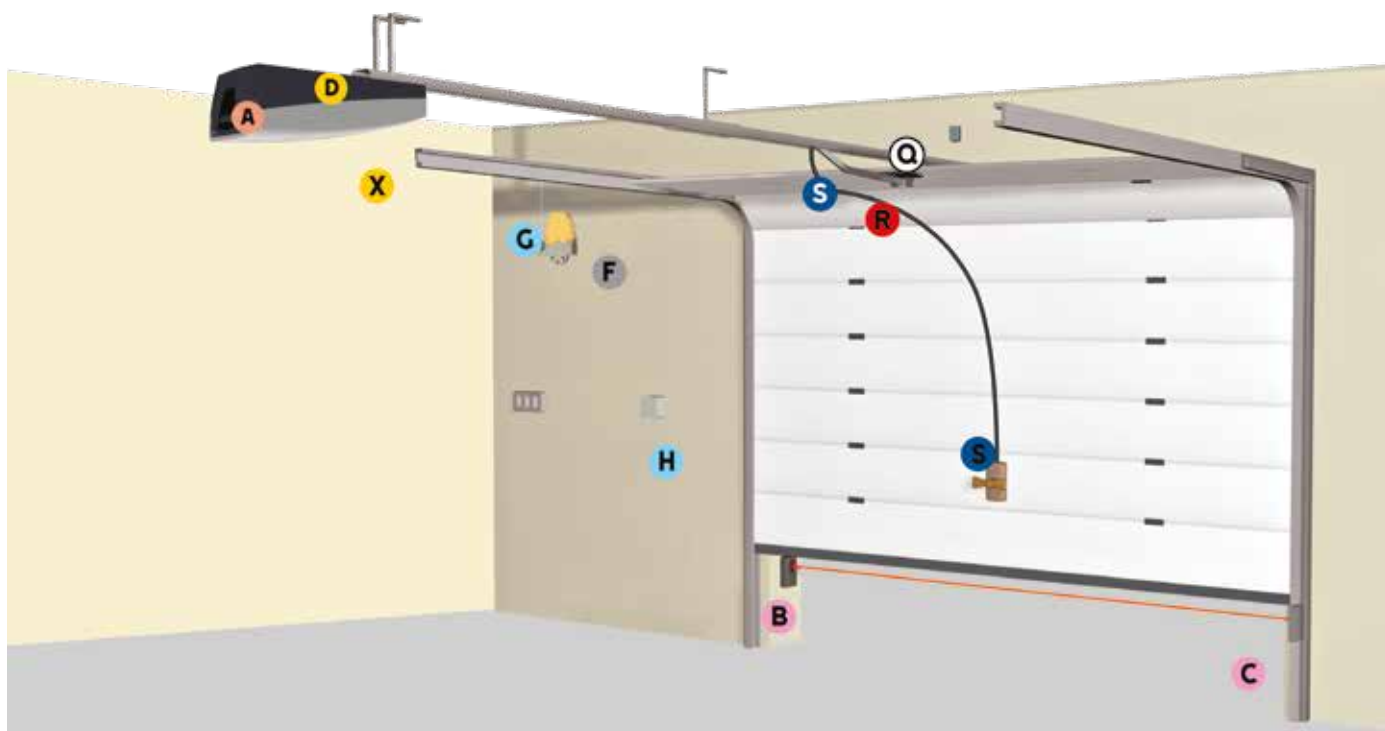
COMPONENTS

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

CABLES FOR STANDARD INSTALLATIONS

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

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



COMPONENTS

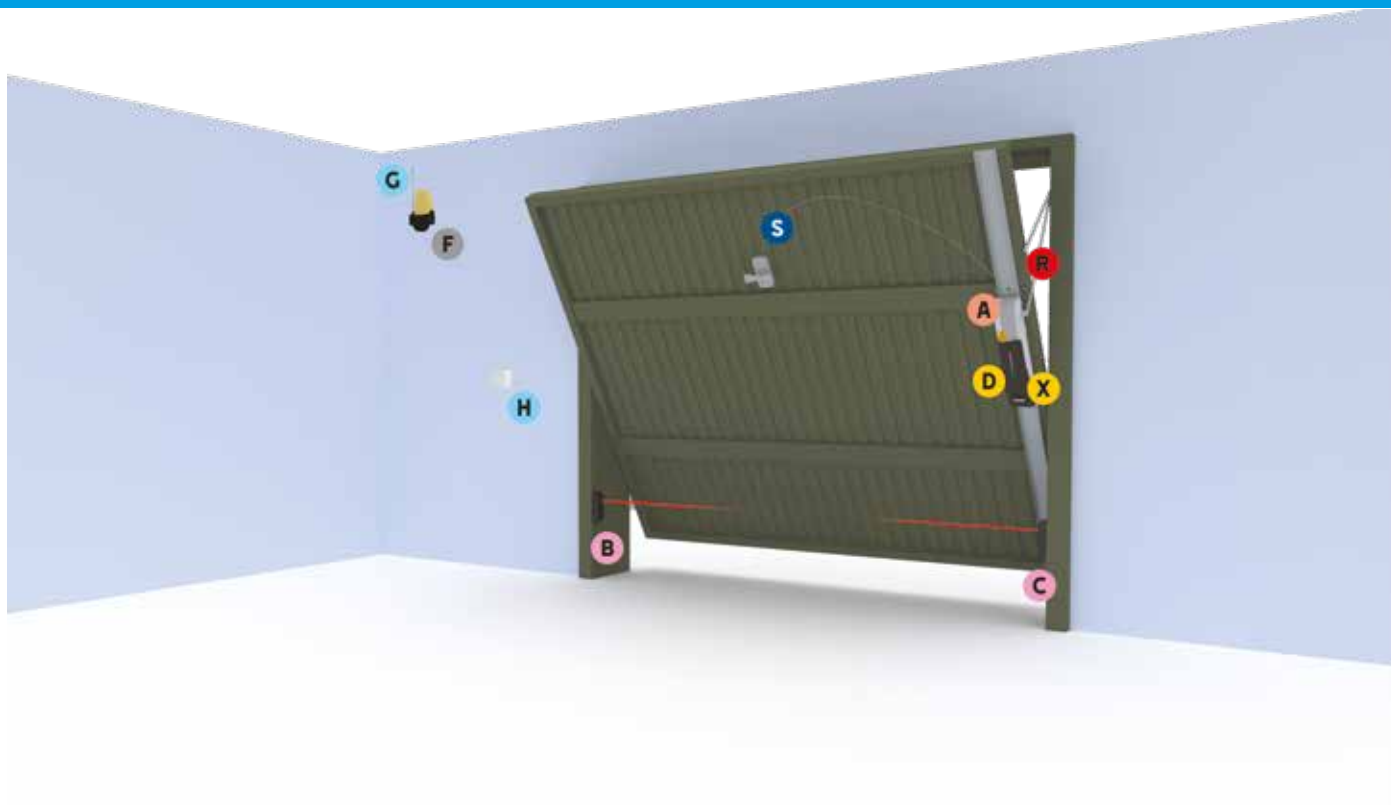
- A** Operator (gearmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- Q** Junction box
- R** Drive levers
- S** Pull-cord release device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

CABLES FOR STANDARD INSTALLATIONS

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

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

COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR SINGLE MOTOR



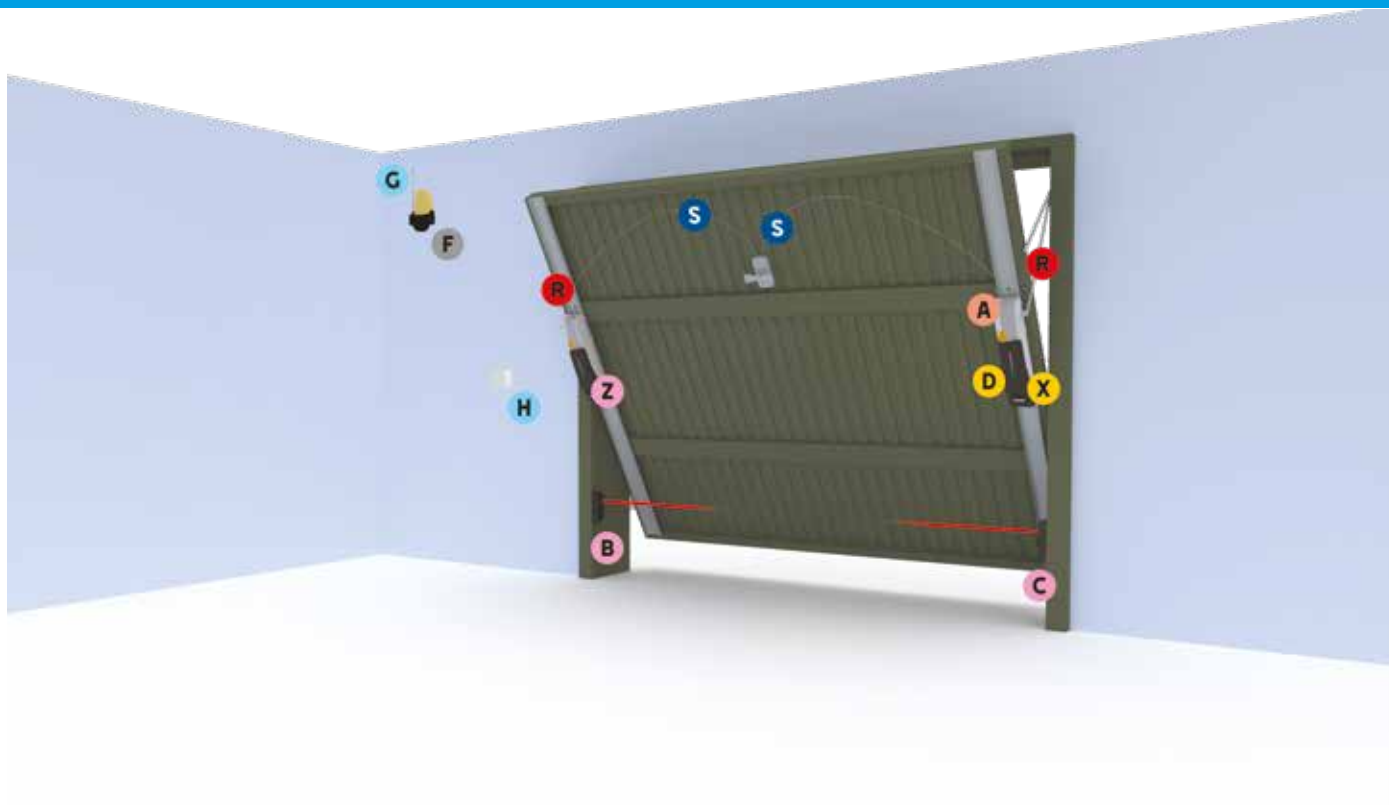
COMPONENTS

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

CABLES FOR STANDARD INSTALLATIONS

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

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



COMPONENTS

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

CABLES FOR STANDARD INSTALLATIONS

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

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

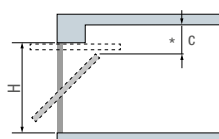
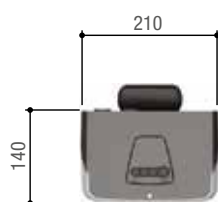
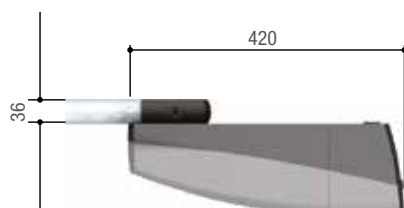
MAXIMUM DOOR SURFACE	PULL STRENGTH	DUTY CYCLE	TYPE/APPLICATION
21 m ²	1300 N	30 CYCLES/HOUR	PULLING



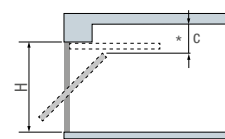
Operator for sectional or up-and-over garage doors for residential settings and industrial plants

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

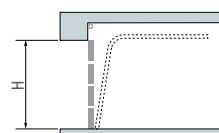
Dimensions (mm)



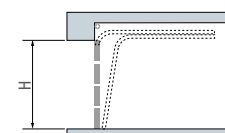
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



BM – Fully retracting, protruding overhead garage door.



STA - SECTIONAL Type A with single guide



STB - SECTIONAL Type B with double-guide

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

Operational limits

MODELS	801MV-0010	801MV-0020
Max. surface of the door (m ²)	18	21
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 AC	230 AC
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	10 Max.	10 Max.
Power (W)	180	280
Cycles/Hour	30	30
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Code

Description

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

801MV-0010



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

801MV-0020



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

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

801XC-0010



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

Accessories

001V122

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

001V121

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

001V201

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

Belt guides

001V0685

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

001V0686

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

001V0688

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

001V0687

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

Chain guide

001V0679

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

001V0682

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

001V0683

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

001V0684

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

Accessories for: chain guides

001V005

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

NOTES

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



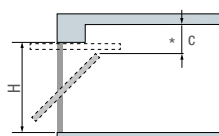
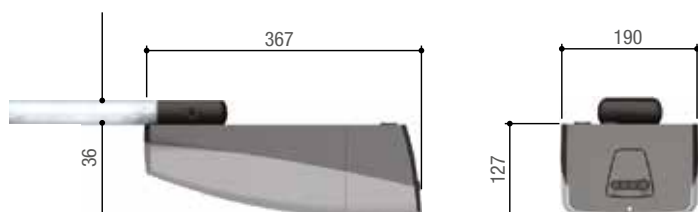
MAXIMUM DOOR SURFACE	PULL STRENGTH	DUTY CYCLE	TYPE/APPLICATION
12 m ²	800 N	10 CYCLES/HOUR	PULLING

Operator for sectional or up-and-over garage doors for residential settings

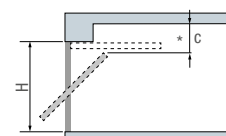
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display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



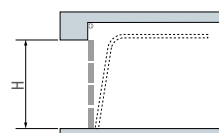
Dimensions (mm)



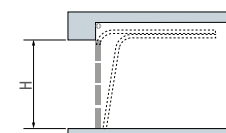
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



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

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



001V201

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



Chain guide

001V06001

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



001V06002

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



001V06003

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



Belt guides

001V06005

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



001V06006

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



001V06007

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



NOTES

* 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.

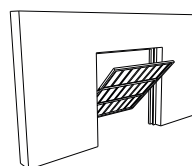
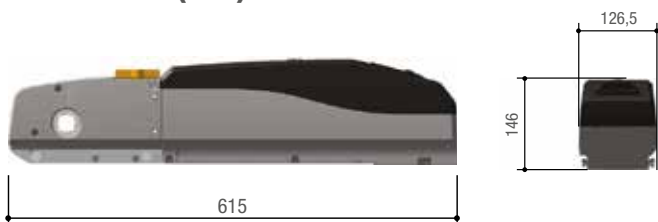
MAXIMUM DOOR SURFACE	SPEED	DUTY CYCLE	TYPE/APPLICATION
14 m ²	ADJUSTABLE	HEAVY DUTY	ON THE DOOR

Operator with direct fixing on the garage door

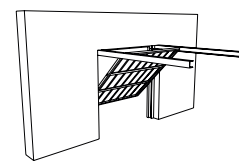
- Encoder-based movement control.
- Integrated release lever, with the possibility of operating from the outside using the door handle.
- Obstacle detection function, maneuver speed adjustment and opening and closing slow-down speed.
- Display for programming and viewing features, with LED for the operator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



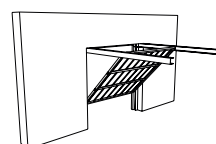
Dimensions (mm)



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 gearmotor + 1 EM4024 gearmotor

Technical characteristics

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

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

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

001 EM4024CB	Irreversible operator with control board and segmented graphics display for doors measuring up to 9 m ² .
---------------------	--



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 m ² .
-------------------	--



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 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 drive tube 25 x 25 mm L = 3 m.
------------------	---------------------------------------



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



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



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

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

• 24 V DC

NOTES

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

AUTOMATIC BARRIERS



128	SELECTION GUIDE
130	STANDARD INSTALLATION
136	GARD GT4
142	GARD GT8
148	GARD PT
152	GARD PX
156	GARD
166	GARD 3250
168	GARD 5000
170	GARD 12
172	UNIPARK
174	CAT
176	CONTROL BOARD FUNCTIONS

Selection guide

Automatic barriers

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

Series	Model	Max. net clearance width (m)
GARD	G2500	2,5
GARD 3250	G3250	3,25
GARD	G3750	3,75
GARD	G3751	3,75
*GARD PT	803BB-0330	3,8
*GARD PX	803BB-0120	3,8
GARD	G4000	4
GARD	G4001	4
GARD GT4	803BB-0160	4
GARD GT4	803BB-0280	4
GARD GT4	803BB-0240	4
GARD GT4	803BB-0260	4
GARD GT4	803BB-0200	4
GARD GT4	803BB-0300	4
GARD 5000	G5000	5
GARD	G6000	6
GARD	G6001	6
GARD	G6500	6,5
GARD	G6501	6,5
GARD GT8	803BB-0180	7,8
GARD GT8	803BB-0290	7,8
GARD GT8	803BB-0250	7,8
GARD GT8	803BB-0270	7,8
GARD 12	G12000K	12

● 230 V AC ● 24 - 36 V DC
*CONTINUOUS DUTY

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-X + CAT-I + CAT-5	8
CAT	CAT-X24 + CAT-I + CAT-5	8
CAT	CAT-X + CAT-I + CAT-15	16
CAT	CAT-X24 + CAT-I + 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.



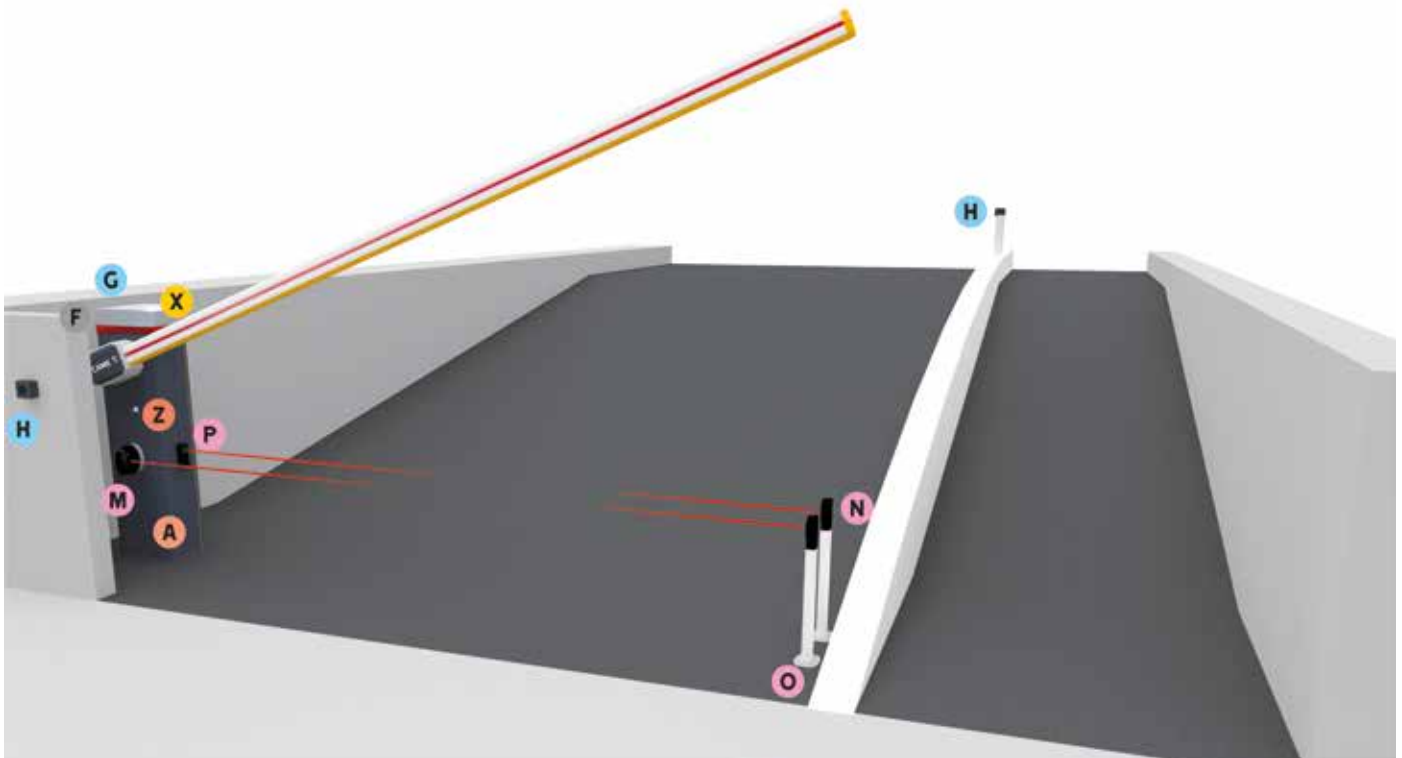
FOR SINGLE PARKING SPACES

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.



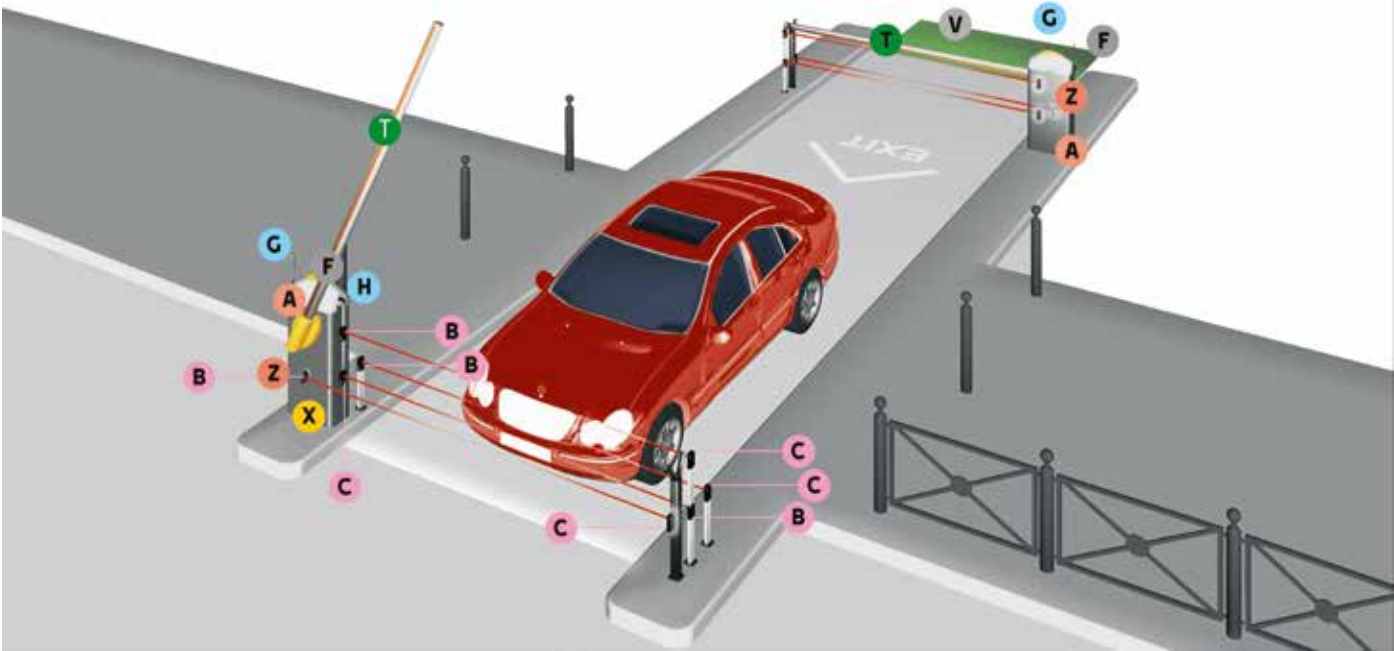
COMPONENTS

- | | |
|--|-------------------------------|
| A Barrier | 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

 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

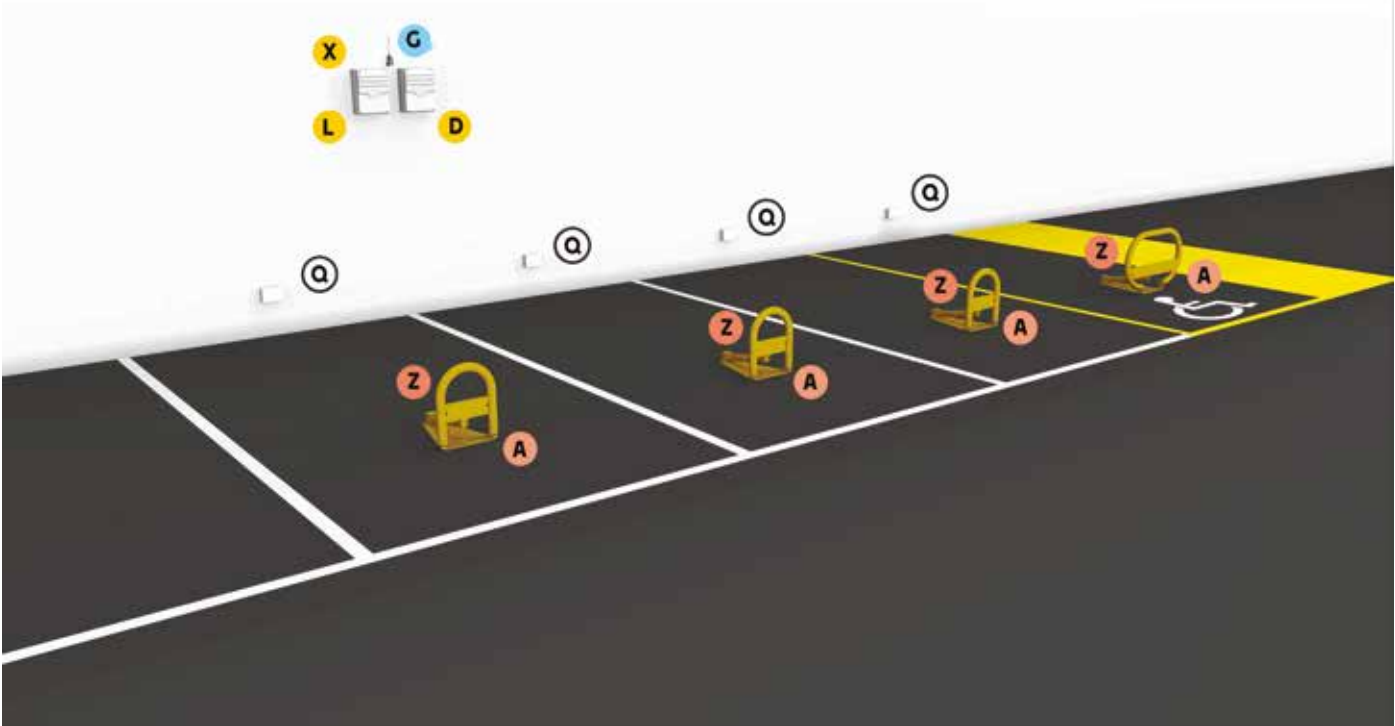
 Metal mass detector sensor
- Z

 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

 Gearmotors
- D

 Control card for operating during power outages
- G

 Antenna
- L

 Control panel
- Q

 Junction box
- X

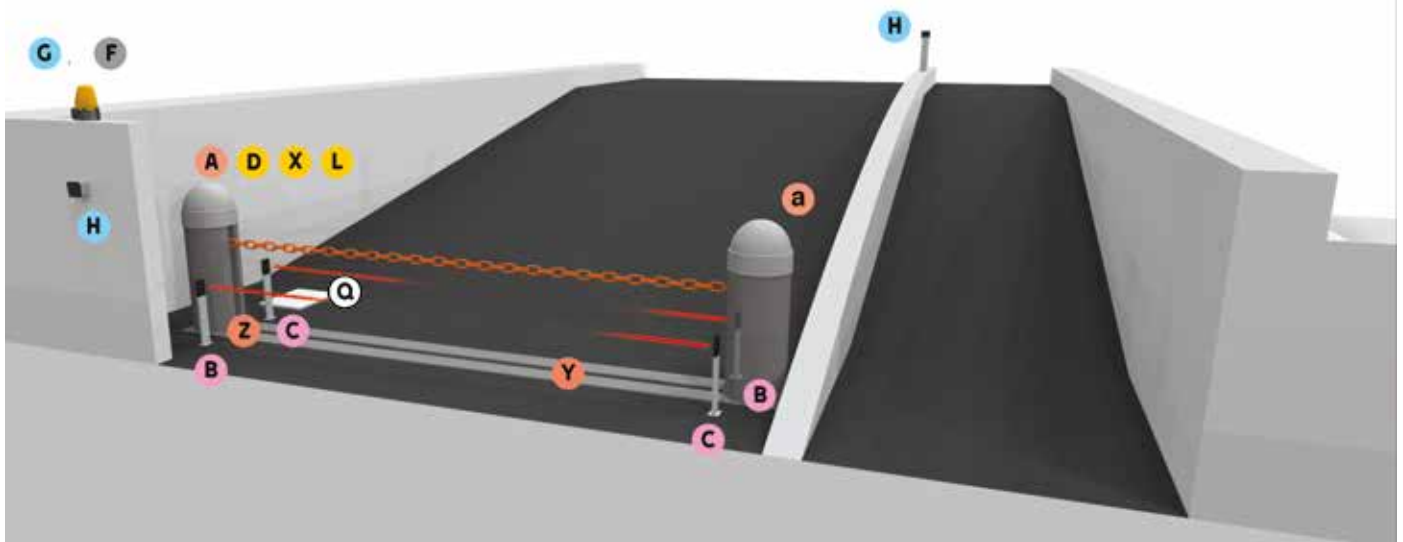
 Radio frequency card
- Z

 Release device

CABLES FOR STANDARD INSTALLATIONS

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

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



COMPONENTS

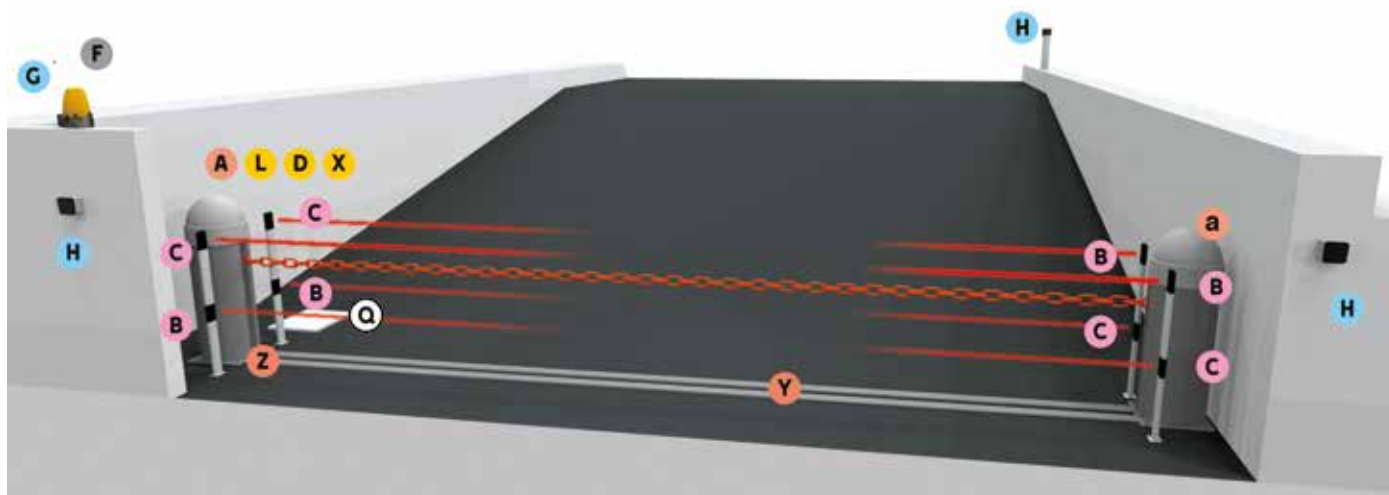
- | | |
|--|---|
| A Post with gearmotor | H Control switch
(Key – Code – Card or transponder fob) |
| a Post with counter-weight and chain latch | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| D Control card for operating during power outages |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

CABLES FOR STANDARD INSTALLATIONS

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

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

CHAIN BARRIER WITH TWO-LEVEL PHOTOCELLS



COMPONENTS

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

CABLES FOR STANDARD INSTALLATIONS

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

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



DXR

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

FIND OUT MORE ON PAGE 214

CAME 

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



GARD GT4

Automatic barriers



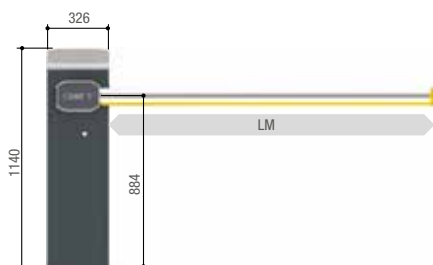
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 4 m	3 MILLION CYCLES	350 CYCLES/HOUR	FROM 2 TO 4 SEC



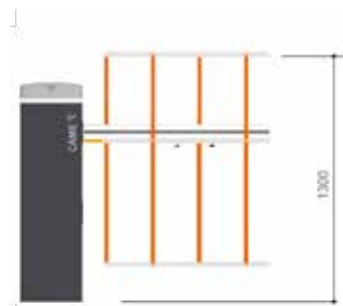
Ideal solution for heavy-duty service on driveway

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

Dimensions (mm)



LM = Max. net clearance width



803XA-0350

Operational limits

MODELS	803BB-0160	803BB-0280	803BB-0240	803BB-0260
Max. net clearance width (m)	4	4	4	4

Technical characteristics

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

● 24 V DC

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

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

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



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



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



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



THE COMPLETE RANGE

Code Description

Accessories for barriers	
803XA-0270	White painted aluminum boom, 90 x 60 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 4220 mm.
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.



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

Code Description

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



ATTENTION

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

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

THE COMPLETE RANGE

Code Description

24 V DC accessories for barriers

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



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



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



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



Accessories for: 806XG-0030

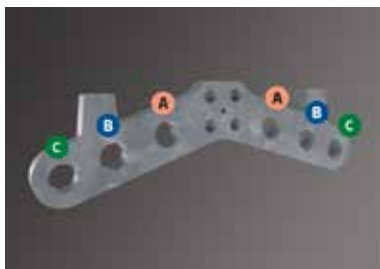
818XG-0019 Remote control for opening and safety detector.

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

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

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





FITTED FOR BALANCING SPRING

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

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

GUIDE TO POSITIONING THE BALANCING SPRING

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
Boom with LED strip	A	A	A	B	B
Boom with LED strip and single skirt	A	B	B	C	C
Boom with LED strip and full-height skirt	A	B	C	C	C*
Boom with LED strip and swing rest	-	-	B	B	C
Boom with LED strip, single skirt and swing rest	B	B	C	C*	-
Boom with LED strip, full-height skirt and swing rest	B	C	C*	-	-

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



SINGLE SPRING BALANCING

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



SIMPLE CONFIGURATION

The control board is positioned directly under the cabinet cover.

All the configuration and maintenance phases can therefore be carried out comfortably standing upright, with the cabinet closed, in complete safety.



FULL-HEIGHT FOLDING SKIRT

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

GARD GT8

Automatic barriers



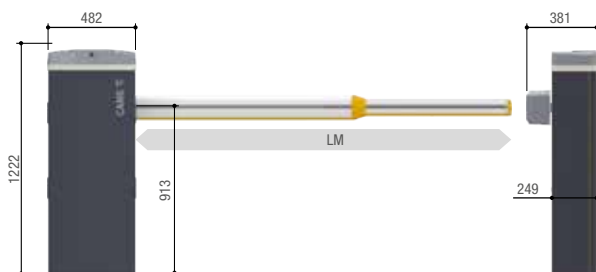
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 7.8 m	3 MILLION CYCLES	160 CYCLES/HOUR	FROM 4 TO 8 SEC



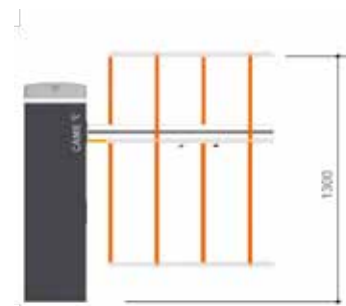
Ideal solution for applying in private homes and industrial plants

- 24 V DC operator with Advanced Speed Control.
- Tested for intensive use of 160 cycles/hour with MCBF 3 million cycles.
- Cabinet available in galvanized steel and painted RAL7024, AISI 304 and AISI 316 steel, or in customized color.
- Control board with display, CONNECT technology and inputs for CXN BUS accessories.
- Accessories that can be integrated directly into the cabinet.
- High visibility red/green LEDs on the crown and on both sides of the boom.
- It can be integrated with third party systems through MODBUS protocol.

Dimensions (mm)



LM = Max. net clearance width



803XA-0350

Operational limits

MODELS	803BB-0160	803BB-0280	803BB-0240	803BB-0260
Max. net clearance width (m)	4	4	4	4

Technical characteristics

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

● 24 V DC

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

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

803BB-0180	GGT80AGS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel and painted cabinet with set up for fitting accessories. Balancing springs included.
-------------------	---



803BB-0290	GGT80ACS - Automatic barrier with irreversible 24 V DC operator with encoder; galvanized steel cabinet with customized RAL painting and set up for fitting accessories. Balancing springs included.
-------------------	---



803BB-0250	GGT80AX4 - Automatic barrier with irreversible 24 V DC operator with encoder; AISI 304 satin-finish steel cabinet with set up for fitting accessories. Balancing springs included.
-------------------	--



803BB-0270	GGT80AX6 - Automatic barrier with irreversible 24 V DC operator with encoder; AISI 316 satin-finish steel cabinet with set up for fitting accessories. Balancing springs included.
-------------------	--



THE COMPLETE RANGE

Code Description

Accessories for barriers	
803XA-0400	White painted aluminum boom, 130 x 85 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 4340 mm.
803XA-0410	White painted aluminum boom, 130 x 85 mm, with internal reinforcement, groove cover-strip and shock-proof rubber profile. Length: 6350 mm.
803XA-0420	White painted aluminum modular boom, complete with cap, composed by: no. 1 boom 90 x 60 L = 4220 mm, no. 1 boom 130 x 85 L = 4340 mm, hollow cover profiles and shockproof rubber profile.
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.



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 end of the detached boom rests onto the ground.
001 G02809	Package of 20 red, reflective, adhesive strips.
803XA-0440	Swing rest - skirt support bracket.
803XA-0450	Steel support for road signs.



NOTES:
The fixed rest for boom 001G02807 must OBLIGATORILY be used for clearance widths greater than 7 m.
The swing rest 803XA-0330 is for a clearance width up to 7 m.

ATTENTION

803XA-0340 - Standard 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-meter boom
- Not compatible with modular boom 803XA-0420

When the passage width clearance is greater than 4 m, it is compulsory to use a boom rest to support it (fixed or movable).
803XA-0390: Not compatible with skirts 803XA-0350 - 803XA-0340. Maximum boom length: 6 m.

THE COMPLETE RANGE

Code Description

24 V DC accessories for barriers

803XA-0370 Control card kit for operating during power outages and for recharging batteries, with battery housing.

24
+

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

24
+

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

24
+

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

24
+

Accessories for: 806XG-0030

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

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

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



NOTES:
803XA-0370 - No. 2 12 V - 7 Ah batteries not supplied.

GUIDE TO POSITIONING THE BALANCING SPRING

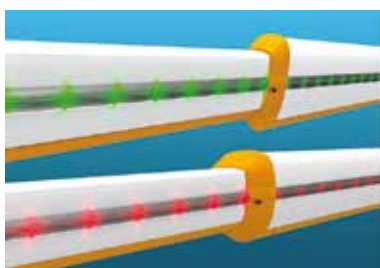
BOOM COMPOSITION	LATERAL CLEARANCE WIDTH (m)						
	4,00 < 4,50	4,50 < 5,00	5,00 < 5,50	5,50 < 6,00	6,00 < 6,50	6,50 < 7,00	7,00 < 7,80
Boom with LED strip	A	A	B	A A	A A	A A	B B
Boom with LED strip and single skirt	B	A A	A A	B B	B B	B B	-
Boom with LED strip and full-height skirt	A A	A A	B B	B B	-	-	-
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	-	-	-	-



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.



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 PT

Automatic barriers



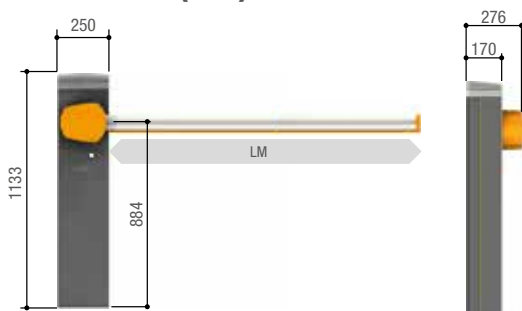
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 3.8 m	4 MILLION CYCLES	CONTINUOUS OPERATION	FROM 1.2 TO 4 SEC



The ideal solution for passage ways with heavy transit flows

- Brushless motor for high performance and silent operation.
- Continuous use tested for 4 million cycles (MCBF - mean cycle between failures).
- Modern design with painted aluminium cabinet with rough finish.
- Available with high visibility red/green LEDs on the crown and on both sides of the boom.
- Boom casing for protection against shearing in opening and closing.
- 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-0330
Max. net clearance width (m)	3,8

Technical characteristics

MODELS	803BB-0330
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	36 DC
Absorption (A)	1,5
Power (W)	350
Opening time at 90° (s)	1,2 ÷ 4
Duty/cycle (%)	CONTINUOUS DUTY (with springs and boom up to 3.8 m) - INTENSIVE DUTY (without springs and with boom up to 2.5 m)
Operating temperature (°C)	-20 ÷ +55 (-30 with item 803XA-0610)
RAL color	7043

● 36 V DC

Code Description

Barriers with Brushless motor and built-in control panel

803BB-0330



GPT40AGL - Automatic barrier with irreversible brushless gearmotor; painted aluminum cabinet.

Accessories for: 803BB-0330

803XA-0050

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

803XA-0051

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

002RSE

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

001R700

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

001R800

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

803XA-0010

Luminous red/green LED crown.

803XA-0070

Balancing springs assembly.

803XA-0080

Auxiliary contacts assembly.



LUMINOUS BOOM, MAXIMUM SAFETY

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

THE COMPLETE RANGE

Code Description

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

803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0150	Red/green LED strip for booms up to 3 m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strips connection kit for HD jointed booms (Heavy Duty).
803XA-0180	HD (Heavy Duty) joint for 90 x 35 mm boom.
803XA-0040	Detaching boom fastener, basic model. In case of impact, the boom falls to the ground due to the breaking of the dedicated fixing screws.
001 G02807	Fixed rest.
001 G02809	Package of 20 red, reflective, adhesive strips.

24 V accessories for: 803BB-0330

806SA-0080	Control card kit for operating during power outages and for recharging batteries, with battery housing.
009 SMA	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2	Two-channel magnetic sensor for detecting metal masses.



SPRING SELECTION GUIDE FOR 803XA-0050 BOOM

MAXIMUM NET CLEARANCE WIDTH	OPENING TIME	DUTY TYPE	803XA-0070 SPRING ASSEMBLY
< 2,5	1,2 - 2,5	INTENSIVE	-
2,5 - 2,7	1,2 - 2,5	CONTINUOUS	YES
2,5 - 3,8*	2,5 - 4	CONTINUOUS	YES

ATTENTION

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

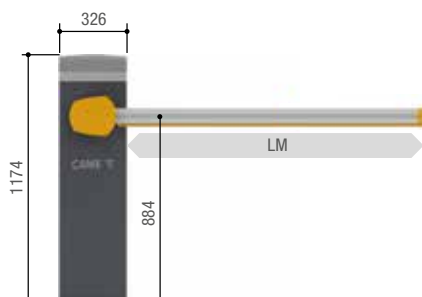
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 3.8 m	10 MILLION CYCLES	CONTINUOUS OPERATION	FROM 1 TO 2 SEC



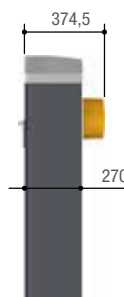
Specific solution for parking facilities and intensive duty cycles

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

Dimensions (mm)



LM = Max. net clearance width



803XA-0180

Operational limits

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

Technical characteristics

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

Code Description

Barriers with Brushless motor and built-in control panel

803BB-0120



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



Accessories for: 803BB-0120

803XA-0050

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



803XA-0051

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



002RSE

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



001R700

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



001R800

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



803XA-0140

Luminous red/green LED crown.



803XA-0200

Auxiliary contacts assembly.



803XA-0260

Heating system for GARD PX.



803XC-0020

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



Balancing springs

001G02040

Balancing spring Ø 40 mm.

001G04060

Balancing spring Ø 50 mm.

001G06080

Balancing spring Ø 55 mm.



THE COMPLETE RANGE

Code Description

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

803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0150	Red/green LED strip for booms up to 3 m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strips connection kit for HD jointed booms (Heavy Duty).
803XA-0180	HD (Heavy Duty) joint for 90 x 35 mm boom.
803XA-0170	Detaching boom fastener, basic model. In case of impact, the boom falls to the ground due to the breaking of the dedicated fixing screws.
001 G02807	Fixed rest.
001 G02809	Package of 20 red, reflective, adhesive strips.

24 V accessories for: 803BB-0120

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





FITTED FOR BALANCING SPRINGS

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

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

IMPORTANT:

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

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

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

ATTENTION

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



LUMINOUS BOOM, MAXIMUM SAFETY

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

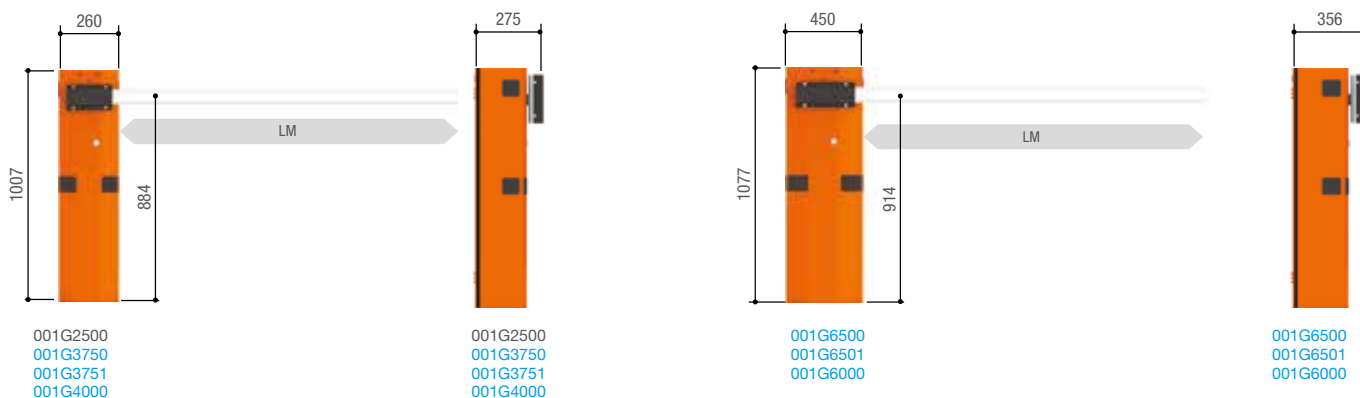
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
FROM 2.5 m TO 6.5 m	1 MILLION CYCLES	HEAVY DUTY	FROM 2 TO 8 SEC



Ideal solution for use in apartment buildings and industrial plants

- 24 V DC gearmotor ideal to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with RAL 2004 rough finish.
- Also available made of AISI 304 steel (item G3751 - G6501).

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G4001	G6000	G6001
Max. net clearance width (m)	2,5	3,75	3,75	6,5	6,5	4	4	6,5	6,5

Technical characteristics

MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G4001	G6000	G6001
Protection rating (IP)	54	54	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	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC
Absorption (A)	1	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.
Power (W)	220	300	300	300	300	300	300	300	300
Opening time at 90° (s)	4	2 ÷ 6	2 ÷ 6	4 ÷ 8	4 ÷ 8	2 ÷ 6	2 ÷ 6	4 ÷ 8	4 ÷ 8
Duty/cycle (%)	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Torque (Nm)	70	200	200	600	600	200	200	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-	-	-	-	-	-	-	-
RAL color	-	2004	-	2004	-	2004	-	2004	-

● 230 V AC ● 24 V DC

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

Barriers with 230 V AC gearmotors and built-in control panel	
--	--

001 G2500	Barrier made of painted, galvanized steel.
------------------	--

Accessories for: 001G2500	
---------------------------	--

001 G0251	White painted aluminum boom with end cap. Section 60 x 40 mm, boom length: 2.7 m.
------------------	--

Accessories for: 001G0251	
---------------------------	--

001 G0257	Boom joint.
------------------	-------------

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

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



Applications

Fits the 001G2500



001G0257

Fits the 001G3750 - 001G3751



803XA-0220

THE COMPLETE RANGE

Code Description

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

001**G3750** Galvanized, painted steel and set up for fitting accessories.



001**G3751** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G3750 - 001G3751

001**G03750** Semi-oval section boom made of white, painted aluminum, with groove strip and shock-resistant fender. Boom length: 4 m.

001**G0402** Tube section barrier made of white, painted aluminum. Ø 60 mm, boom length: 4.2 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

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

001**PSRT01** Heater kit with thermostat.

Balancing springs

001**G02040** Balancing spring Ø 40 mm.

001**G04060** Balancing spring Ø 50 mm.

001**G06080** Balancing spring Ø 55 mm.

Accessories for: 001G03750 - 001G0402

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G02807** Fixed rest.

803XA-0330 Swing rest.



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

Accessories for: 001G03750 - 001G0402	
---------------------------------------	--

001 G0465	Painted aluminum skirt (modules L = 2 m).
------------------	---

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

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

24 V accessories for: 001G3750 - 001G3751	
---	--

002 LB39	Circuit board for emergency operation and battery charging.
-----------------	---



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



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



NOTES:
002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.

THE COMPLETE RANGE

Code Description

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

001**G6500** Galvanized, painted steel and set up for fitting accessories.



001**G6501** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G6500 - 001G6501

001**G0602** White, painted aluminum, tube-section boom. Ø 100 mm, boom length: 6.85 m.

001**G06850** White, painted aluminum, tube-section boom, with rubber groove covering profile and internal reinforcement. Ø 100 mm, boom length: 6.85 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

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

001**PSRT01** Heater kit with thermostat.

Balancing springs

001**G02040** Balancing spring Ø 40 mm.

001**G04060** Balancing spring Ø 50 mm.

001**G06080** Balancing spring Ø 55 mm.

Accessories for: 001G0602 - 001G06850

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G02807** Fixed rest.

803XA-0330 Swing rest.



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

Accessories for: 001G06850

001 G028401	Yellow luminous cord with white LEDs.
--------------------	---------------------------------------

001 G028402	Cable for connecting the luminous cord.
--------------------	---

803XC-0010	Red/green LED STRIP interface.
-------------------	--------------------------------

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

803XA-0240	Red/green LED strip for booms up to 6.5 m long.
-------------------	---

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

24 V accessories for: 001G6500 - 001G6501

002 LB39	Circuit board for emergency operation and battery charging.
-----------------	---

24

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

24

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

24

NOTES:

002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.



THE COMPLETE RANGE

Code Description

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

001**G4000** Galvanized, painted steel and set up for fitting accessories.



001**G4001** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G4000 - 001G4001

001**G0401** White painted aluminum boom with end cap.
Section 60 x 40 mm, boom length: 4.2 m.

001**G0402** Tube section barrier made of white, painted aluminum.
Ø 60 mm, boom length: 4.2 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

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

Accessories for: 001G0401 - 001G0402

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G0462** Fixed rest.

001**G0463** Swing rest.

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

Accessories for: 001G0401

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

001**G0460** Pack of six 24 V light bulbs.

001**G0467** Boom joint.

Accessories for: 001G0402

001**G0405** Fastening flange.

24 V accessories for: 001G4000 - 001G4001

002**LB39** Circuit board for emergency operation and battery charging.



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



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



NOTES:
002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.



Code Description

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

001**G6000** Galvanized, painted steel and set up for fitting accessories.



001**G6001** Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.



Accessories for: 001G6000 - 001G6001

001**G0601** White painted aluminum boom with end cap.
Section 40 x 100 mm, boom length: 6.85 m.

001**G0602** White, painted aluminum, tube-section boom.
Ø 100 mm, boom length: 6.85 m.

001**G0468** Brace for fitting DLX photocells onto the cabinet.

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

Accessories for: 001G0601 - 001G0602

001**G0465** Painted aluminum skirt (modules L = 2 m).

001**G0462** Fixed rest.

001**G0463** Swing rest.

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

Accessories for: 001G0601

001**G0603** Red rubber shock-proof edge with end caps.

001**G0460** Pack of six 24 V light bulbs.

Accessories for: 001G0602

001**G0605** Fastening flange.

24 V accessories for: 001G6000 - 001G6001

002**LB39** Circuit board for emergency operation and battery charging.



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



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



NOTES:
002LB39 - No. 2 12 V – 7 Ah batteries, not supplied.



001G3750 - 001G3751

Spring Selection Guide for 001G0402 boom

MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm			
	LATERAL CLEARANCE WIDTH (m)			
BOOM COMPOSITION	1,5 ÷ 2	2 ÷ 2,5	2,5 ÷ 3,5	3,5 ÷ 3,75
Boom with 001G0465 skirt or 803XA-0330 swing-rest	●	●	●	●
Boom with 001G0465 skirt or 803XA-0330 swing-rest	●	●		

001G3750 - 001G3751

Spring Selection Guide for 001G03750 boom

MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm					
	LATERAL CLEARANCE WIDTH (m)					
BOOM COMPOSITION	1,5 ÷ 1,75	1,75 ÷ 2,25	2,25 ÷ 2,75	2,75 ÷ 3,25	3,25 ÷ 3,5	3,5 ÷ 3,75
Boom with shock-resistant fender	●	●	●	●	●	●
Boom with shock-resistant fender and 001G028401 luminous cord	●	●	●	●	●	●
Boom with 001G0465 skirt	●	●	●	●	●	
Boom with 001G028401 luminous cord and 001G0465 skirt	●	●	●	●	●	
Boom with shock-proof profile and 803XA-0330 swing rest	●	●	●	●		
Boom with shock-proof profile, 001G028401 luminous cord and 803XA-0330 swing rest	●	●	●	●		

001G6500 - 001G6501

Spring Selection Guide for 001G06850 boom

MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm									
	LATERAL CLEARANCE WIDTH (m)									
BOOM COMPOSITION	2 ÷ 2,5	2,5 ÷ 3	3 ÷ 3,5	3,5 ÷ 4	4 ÷ 4,5	4,5 ÷ 5	5 ÷ 5,5	5,5 ÷ 6	6 ÷ 6,5	
Boom	●	●	●	●●	●	●●	●●	●●	●●	
Boom with swing-leg 803XA-0330	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G028401 luminous cord	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 803XA-0330 swing rest and 001G028401 luminous cord	●	●●	●●	●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt	●	●	●●	●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt and 001G028401 luminous cord	●	●●	●●	●●	●●	●●	●●	●●	●●	●●

ATTENTION

001G0468 Cannot be used on barriers with the 001G0465 skirt or 803XA-0330 swing rest.

803XA-0330 For passage width clearances of up to max. 3 m (for: 001G3750 - 001G3751).

001G03756 This reinforcement is OBLIGATORY in the following cases:

- As long as the boom is fitted with the 001G028401 luminous cord.
- For passage widths exceeding 2.5 m, with 803XA-0330 swing rest or with 001G0465 skirt
- For passage clearances exceeding 3 m.

001G02807 This fixed rest is OBLIGATORY for passage clearances that exceed 3 m.

GARD 3250

Automatic barriers



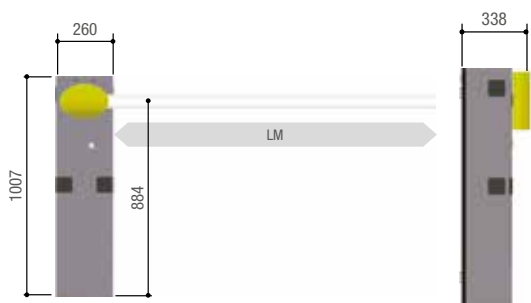
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 3.25 m	1 MILLION CYCLES	HEAVY DUTY	FROM 2 TO 4 SEC

Specific solution for parking facilities with heavy traffic

- 24 V DC gearmotor ideal to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Flashing light and photocells that can be installed directly on the cabinet.
- Boom casing for protection against shearing in opening and closing.



Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G3250
Max. net clearance width (m)	3,25

Technical characteristics

MODELS	G3250
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)	2 ÷ 6
Duty/cycle (%)	HEAVY-DUTY SERVICE
Torque (Nm)	200
Operating temperature (°C)	-20 ÷ +55
RAL color	7043

● 24 V DC

Code Description

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

001**G3250** Galvanized, painted steel and set up for fitting accessories.



Accessories for: 001G3250

001**G03250** Semi-oval section white painted aluminum boom, complete with groove covering profile, impact-proof rubber edge, internal reinforcer, luminous cord, connection cable and red reflective adhesive strips. Boom length: 3.5 m



001**G03250K** Semi-oval section boom, made of white, painted aluminum, with groove strip and shock-resistant fender, inner reinforcement, and red, reflective, adhesive strips. Boom length: 3.5 m

001**G0468** Brace for fitting DLX photocells onto the cabinet.



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



Accessories for: 001G03250K

803XA-0220 HD (Heavy Duty) semi-elliptical boom joint.



803XC-0010 Red/green LED STRIP interface.



803XA-0020 Red/green LED strips for booms up to 4-m long.



803XA-0160 Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.



803XA-0190 LED strips connection kit for HD jointed booms (Heavy Duty).



24 V accessories for: 001G3250

002**LB39** Circuit board for emergency operation and battery charging.



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



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



GARD 5000

Automatic barriers



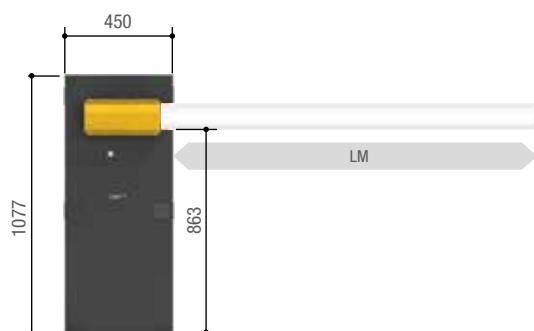
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 5 m	1.2 MILLION CYCLES	HEAVY DUTY	FROM 4 TO 8 SEC



Specific solution for access points with heavy traffic

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

Dimensions (mm)



LM = Max. net clearance width



Operational limits

MODELS	G5000
Max. net clearance width (m)	5

Technical characteristics

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

● 24 V DC

Code Description

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

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



Accessories for: 001G5000

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



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



001G0468 Brace for fitting DLX photocells onto the cabinet.



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



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



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



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



001PSRT01 Heater kit with thermostat.



Accessories for: 001G05350

001G028401 Yellow luminous cord with white LEDs.



001G028402 Cable for connecting the luminous cord.



803XC-0010 Red/green LED STRIP interface.



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



Accessories for: 001G0502 - 001G05350

001G0465 Painted aluminum skirt (modules L = 2 m).



001G02807 Fixed rest.



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



24 V accessories for: 001G5000

002LB39 Circuit board for emergency operation and battery charging.



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



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



GARD 12

Automatic barriers



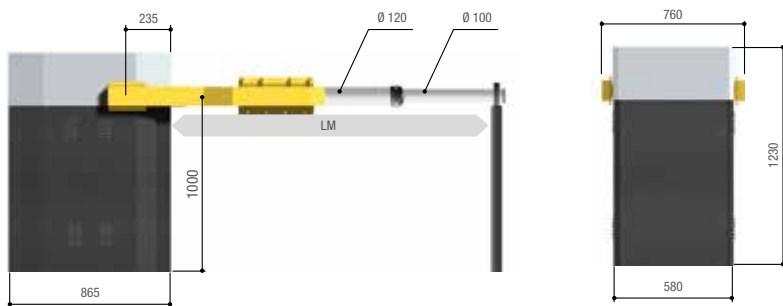
PASSAGE WIDTH CLEARANCE	MCBF	DUTY CYCLE	SPEED
UP TO 12 m	600,000 CYCLES	50%	10 S



Specific solution for special applications

- Two 24 V DC gearmotors installed on the same axis to offer greater drive torque.
- Balancing with modular counterweights, it guarantees a safe and reliable movement of the boom.
- Sturdy structure with galvanized steel cabinet with rough finish.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G12000K
Max. net clearance width (m)	12

Technical characteristics

MODELS	G12000K
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Absorption (A)	15 Max.
Power (W)	300
Opening time at 90° (s)	10
Duty/cycle (%)	50
Torque (Nm)	600
Operating temperature (°C)	-20 ÷ +55
RAL color	7043

● 24 V DC

Code Description

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

001**G12000K** Barrier made of painted, galvanized steel.



Accessories for: 001G12000K

001**G0121** White painted aluminum tube boom, with end cap, made up of: L one fixed rest, one tube boom L = 6,200 mm Ø 120 mm, one tube boom L = 6,000 mm Ø 100 mm, one boom extender accessory.

001**G1325** Package of 20 counter-weights.



Accessories for: 001G0121

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



24 V accessories for: 001G12000K

002**LB38** Circuit board for emergency operation and battery charging.



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



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



NOTES:

002LB38 - Three 12 V - 7 Ah batteries (not supplied), set up a suitable external battery housing that can fit in the barrier cabinet on: 001G12000K

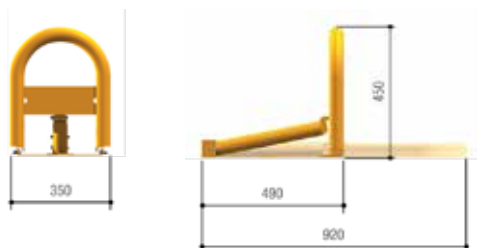
PARKING SPACE MAXIMUM WIDTH	SPACES EXTENSION	DUTY CYCLE
UP TO 2.45 m	MAX 4	HEAVY DUTY

Parking saver for residential settings and public spaces

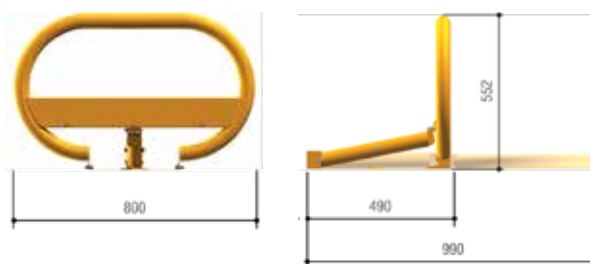


- Solution controllable via radio, to reserve the parking space.
- Simple and functional fixing base.
- It works in emergency mode during power outages.
- Safety is ensured by the amperometric obstruction-detecting and limit-switch controlling device.
- Available in 2 models: small and large.
- Built in galvanized steel and painted with textured finish.

Dimensions (mm)



001UNIP
001ARK1



001UNIP
001ARK2

Operational limits

MODEL	UNIP + ARK1	UNIP + ARK2
Max clearance width of parking space (m)	2	2,45

NOTE: Colore RAL 1028

Technical characteristics

MODELS	UNIP
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 AC
Absorption (A)	1,7 Max.
Power (W)	20
Duty/cycle (%)	HEAVY-DUTY SERVICE
Resistance to crushing (kg/cm ²)	2,5
Operating temperature (°C)	-20 ÷ +55
RAL color	1028

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

Parking guard barriers with 24 V DC gearmotor	
---	--

001 UNIP	Irreversible gearmotor with fastening plate.
-----------------	--



Extra accessories	
-------------------	--

001 ARK1	SMALL barrier.
-----------------	----------------

001 ARK2	LARGE barrier.
-----------------	----------------



Control panels for 24 V DC gearmotors	
---------------------------------------	--

801 QA-0030	ZL22N - Control panel for one parking saver barrier, extensible up to 4 barriers with no. 3 LM22N boards.
--------------------	---



Accessories for: 801QA-0030	
-----------------------------	--

801 XC-0110	LM22N - Extension board for one motor.
--------------------	--



002 LB22	Circuit board for emergency operation and battery charging.
-----------------	---



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

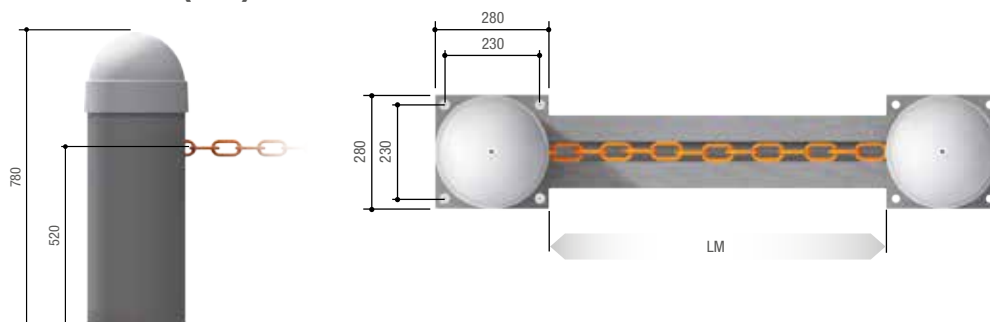
PASSAGE WIDTH CLEARANCE	CHAIN TYPE	DUTY CYCLE
UP TO 16 m	5 OR 9 mm	HEAVY DUTY



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 9006 – Cabinet color ROUGH GRAY code 053 0837

Technical characteristics

MODELS	CAT-X	CAT-X24
Protection rating (IP)	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC
Absorption (A)	2,7	10 Max.
Power (W)	300	240
Duty/cycle (%)	30	HEAVY-DUTY SERVICE
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-
RAL color	7043	7043

● 230 V AC ● 24 V DC

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

230 V AC chain-barrier

001 CAT-X	Post with gearmotor and built-in control panel.
------------------	---



24 V DC chain barrier

001 CAT-X24	Post with gearmotor and built-in control panel.
--------------------	---



Chain-barrier post, for: 001CAT-X – 001CAT-X24

001 CAT-I	Post with counter-weight and chain latch.
------------------	---



Accessories

001 CAT-5	Genovese-type, 9 mm chain for clearances of up to 8 m.
------------------	--

001 CAT-15	Genovese-type, 5 mm chain for clearances of up to 16 m.
-------------------	---

001 CAR-2	Above-round, chain protection guide L = 2 m.
------------------	--

001 CAR-4	Below-ground, chain protection guide L = 2 m.
------------------	---



Accessories for: 001CAT-X24

002 LB38	Circuit board for emergency operation and battery charging.
-----------------	---









NOTES:

002LB38 - No. 3 12 V – 1.2 Ah batteries, not supplied.

002LB38 - Three 12 V – 7 Ah batteries (not supplied), set up an external battery housing on: 001CAT-X24.

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	G2500	G3750 G3751 G6500 G6501 G3250	G12000K	G5000	803BB-0330	803BB-0120	803BB-0160 803BB-0280 803BB-0240 803BB-0260 803BB-0180 803BB-0290 803BB-0250 803BB-0270
Control board / Control panel	ZCS	ZL39B	ZL38C	ZL39EX	ZLB30A	ZLB30B	ZL392B
Safety							
SELF-DIAGNOSING safety devices		●		●	●	●	●
PRE-FLASHING when opening and closing		●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●
CLOSING AGAIN during opening							●
Obstruction WAIT		●		●			●
TOTAL STOP	●	●	●	●	●	●	●
PARTIAL STOP					●	●	●
OBSTRUCTION DETECTION in front of photocells		●	●	●	●	●	●
ENCODER				●	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.				●	●	●	●
AMPEROMETRIC DETECTION		●	●	●	●	●	●
Command							
PARTIAL OPENING 1 leaf		●		●*			●
OPEN ONLY from transmitter and/or from button		●	●	●*	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button					●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●
MAINTAINED ACTION		●	●	●	●	●	●
IMMEDIATE CLOSING		●	●	●	●	●	●
Characteristics							
FLASHING LIGHT connection	●	●	●	●	●	●	●
CYCLE LIGHT connection		●		●	●	●	●
COURTESY LIGHT connection		●		●	●	●	●
Antenna	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●						●
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		●		●	●	●	●
CRP control				●	●	●	
Firmware update from USB					●	●	
PASSWORD protecting access to functions					●	●	●
MANEUVER COUNTER		●		●	●	●	●
Number of operations setting for MAINTENANCE					●	●	●

● 230 V AC ● 24 - 36 V DC

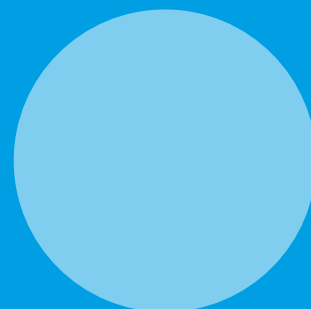
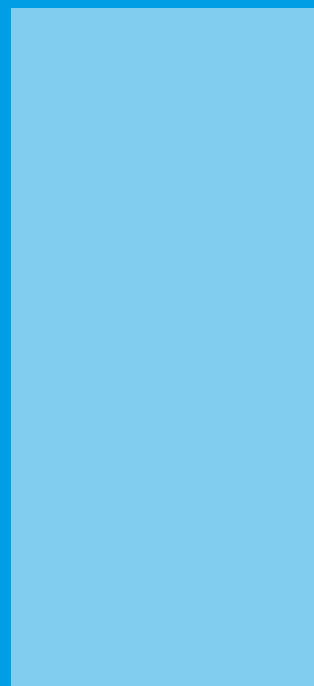
* Only available in paired mode

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	<div> <div>24</div> <div>24</div> </div>		
	CAT-X	CAT-X24	UNIPARK
Control board / Control panel	ZC5	ZL37C	ZL22N
Safety			
SELF-DIAGNOSING safety decives			
PRE-FLASHING when opening and closing		•	
REOPENING during closing	•	•	•
CLOSING AGAIN during opening			
Obstruction WAIT			
TOTAL STOP	•	•	•
PARTIAL STOP			
OBSTRUCTION DETECTION in front of photocells		•	
ENCODER			
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.			
AMPEROMETRIC DETECTION		•	•
Command			
PEDESTRIAN OPENING 1 leaf			
PARTIAL OPENING 1 leaf			
OPEN ONLY from transmitter and/or from button			
ONLY OPEN or ONLY CLOSE button connection	•	•	
OPEN-STOP-CLOSE-STOP from the transmitter and/or button			
OPEN-CLOSE-INVERT from the transmitter and/or button	•	•	•
MAINTAINED ACTION		•	
DELAYED OPENING 1st leaf			
DELAYED OPENING 2nd leaf			
IMMEDIATE CLOSING		•	
EMERGENCY RELEASE from the transmitter			
Characteristics			
FLASHING LIGHT connection	•	•	
CYCLE LIGHT connection			
COURTESY LIGHT connection			
Antenna	•	•	•
OPEN ALERT LIGHT connection	•	•	
CLOSED ALERT LIGHT connection	•		
Contact output for 2nd RADIO CHANNEL			
SELF-LEARNING of the transmitter's RADIO CODE	•	•	•
OPERATING TIME adjusting	•		
Connection for the ELECTRIC LOCK and/or RAMMING			
SLEEP MODE			
Adjustable AUTOMATIC CLOSING AGAIN TIME	•	•	
OPENING and/or CLOSING slow downs			
EMERGENCY BATTERY operation (optional)		•	•
MASTER-SLAVE			
Adjustable TRAVEL and SLOW-DOWN speeds*		•	
DISPLAY			
Electronic brake			
SELF-LEARNING opening and closing limit-switches			
Connection to the solar panel			
CAME Connect			
Designed to fit RIO System 2.0			
CRP control			
ENERGY SAVINGS control (001RGP1)			
Firmware update from USB			

● 230 V AC ● 24 V DC

INDUSTRIAL DOOR AUTOMATION



180	SELECTION GUIDE
182	STANDARD INSTALLATION
186	F4000
188	CBX
192	H4
195	CONTROL BOARD FUNCTIONS

Selection guide

Industrial door automations

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

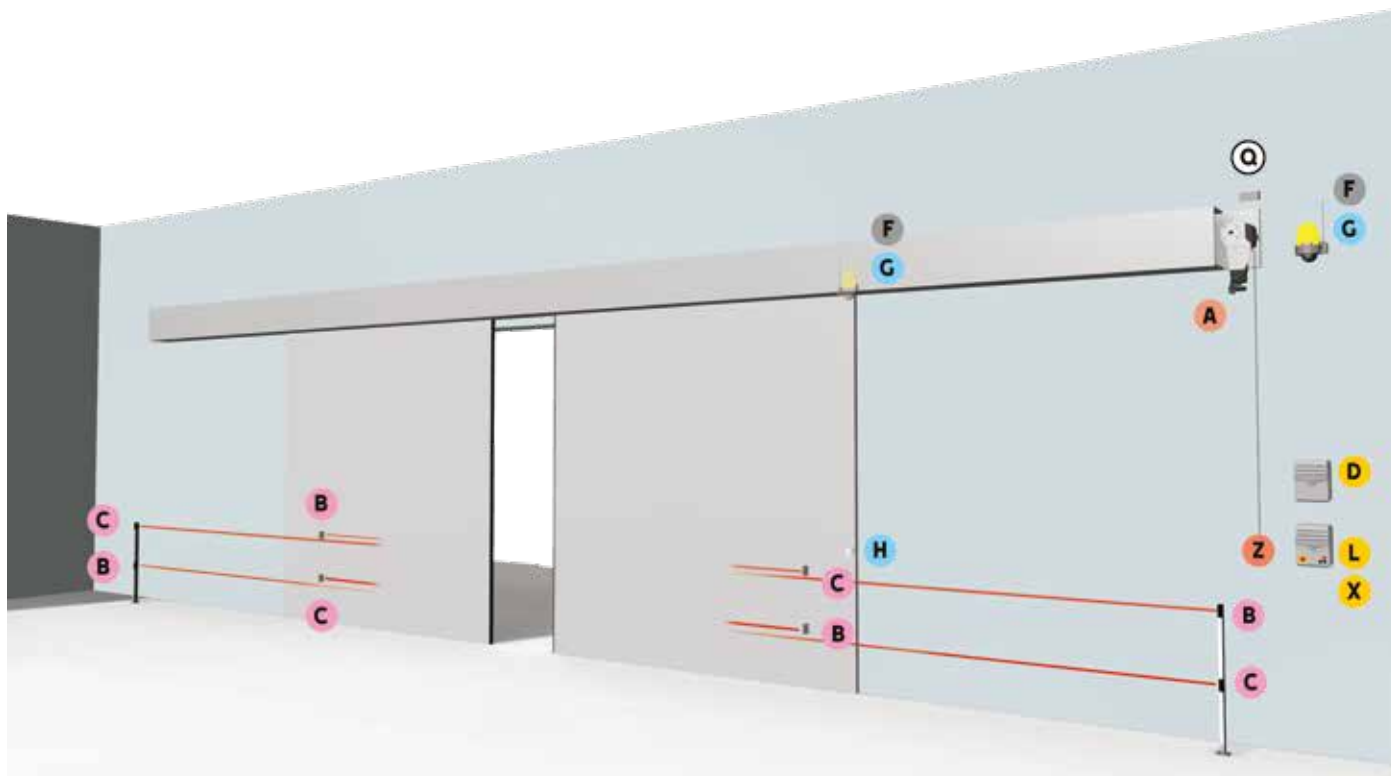
This operator is used to close very wide entrances while limiting, as much as possible, the space taken up laterally when the door is open.

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

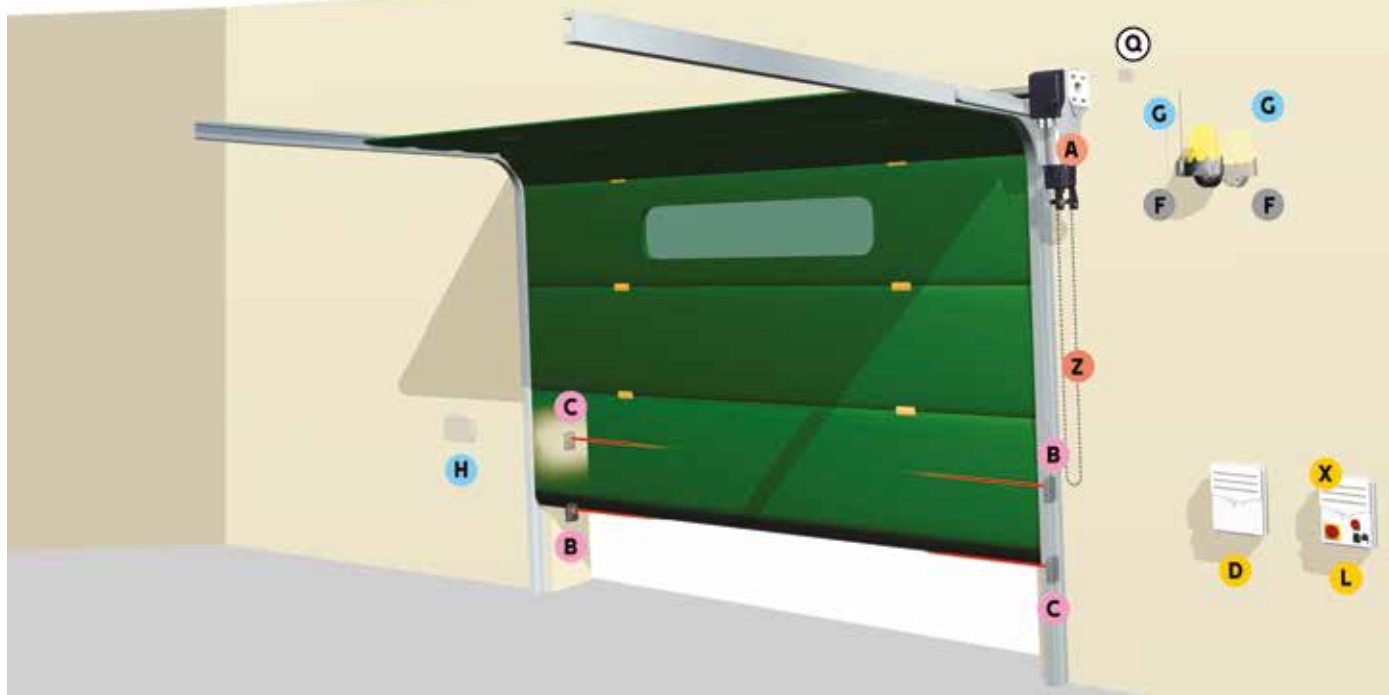
- A** Gearmotors
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

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



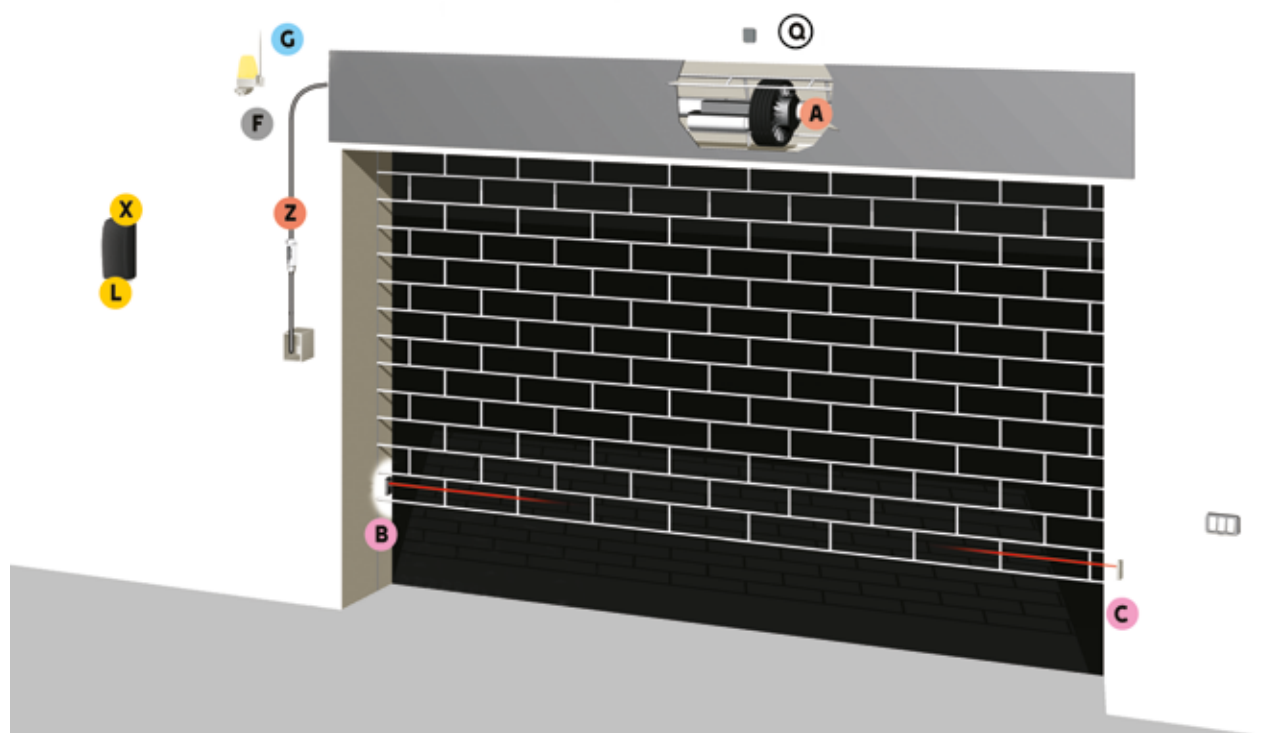
COMPONENTS

- 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 | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| 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 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 automations



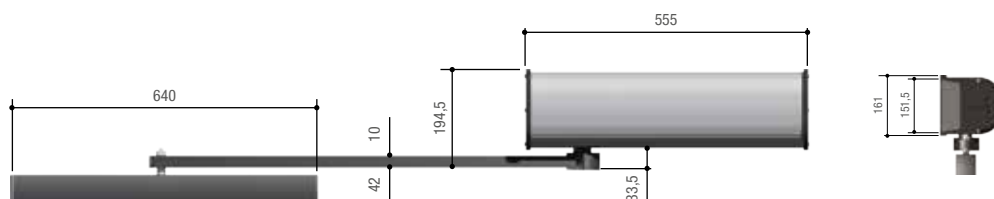
MAXIMUM LEAF LENGTH	MAXIMUM LEAF WEIGHT	DUTY CYCLE
UP TO 2 m	UP TO 300 kg	HEAVY DUTY

Ideal solution for fitting on swing-leaf and folding doors

- 24 V DC and 230 V AC EN versions tested thanks to the electronic management with encoder.
- Quick and simple installation.
- It can be installed either on the right or left thanks the symmetrical inputs on the gear shaft.
- Protection rating against weathering agents (IP54).
- In the 24 V DC versions it is possible to adjust the maneuvering speed, opening and closing slow-down speeds, and electronic detection of the obstacle.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Operational limits

MODEL	F40230E · F4024EP	F4024E
SWING LEAF DOORS		
Max. width of leaf (m)	2	1,5
Max. weight of leaf (kg)	300	200
SINGLE-LEAF FOLDING DOORS		
Max. width of leaf (m)	1,5	1,2
Max. weight of leaf (kg)	200	150

Technical characteristics

MODELS	F40230E	F4024E	F4024EP
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	24 DC
Absorption (A)	1,2	5 max	10 max
Power (W)	235	130	180
Crown turns (rpm)	1,3	1,3	24
Duty/cycle (%)	30	HEAVY-DUTY SERVICE	
Thrust (N)	340	360	470
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Reduction ratio (i)	1/150	1/150	1/150
Motor's heat protection (°C)	150	-	-

● 230 V AC ● 24 V DC

Code Description

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

001**F40230E** Irreversible gearmotor with encoder.



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

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



002**ZM3EC** Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices.



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

001**F4024E** Irreversible gearmotor with encoder.



001**F4024EP** Irreversible gearmotor with encoder – boosted version.



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

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



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



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

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



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.



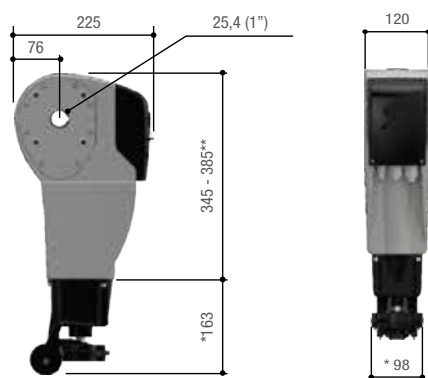
MAX. LEAF HEIGHT	SHAFT Ø	DUTY CYCLE
UP TO 11 m	25.4 mm (1")	20 CYCLES/HOUR



Ideal solution for sectional, sliding or folding door applications

- C-BXK offers more torque for moving very heavy doors at 230 V AC .
- It can open manually by using the handy winch device.
- Possibility of horizontal and vertical installation for greater versatility.
- 230 - 400 V AC three-phase version, equipped with encoder, to guarantee greater thrust and maximum safety.

Dimensions (mm)



* Accessory
** 001C-BXK

Operational limits

MODELS	C-BX	C-BXK	C-BXT
DIRECTLY-DRIVEN SECTIONAL DOORS			
Max. height of leaf (m)	5,5	5,5	5,5
CHAIN-DRIVEN SECTIONAL DOORS			
Max. height of leaf (m)	8,5	8,5	8,5
SLIDING AND FOLDING SLIDING DOORS			
Max. height of leaf (m)	11	11	11

Technical characteristics

MODELS	C-BX	C-BXK	C-BXT
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230-400 V AC THREE PHASE
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230-400 V AC TRIPH. 50/60Hz
Absorption (A)	2,2	3,6	2,5
Power (W)	450	750	750
Crown turns (rpm)	21,5	21,5	21,5
Duty/cycle (%)	30	30	50
Thrust (N)	60	120	80
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150

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

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

230 V AC Gearmotors	
---------------------	--


001 C-BX	Gearmotor with mechanical limit-switches.
-----------------	---

001 C-BXK	Gearmotor with mechanical limit-switches.
------------------	---

Control panels for gearmotors: 001C-BX – 001C-BXK	
---	--

002 ZC3	Control panel with maneuvering thrust functions and self-diagnosing safety-devices.
----------------	---

002 ZC3C	Control panel with safety stop and buttons plus self-diagnosing safety-devices
-----------------	--

002 ZM3EC 	Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices.
---	--



THE COMPLETE RANGE

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

230 - 400 V AC three-phase gearmotors	
---------------------------------------	--

001 C-BXT	Gearmotor with mechanical limit-switches.
------------------	---



Control panels for gearmotor: 001C-BXT	
--	--

002 ZT6	Control panel with self-diagnosing safety-devices.
----------------	--



002 ZT6C	Control panel, complete with safety lock and buttons, with safety devices self-diagnosis.
-----------------	---



Code Description

Accessories for: SLIDING AND SWING-LEAF DOORS	
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 C003	Reset system for sliding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces.
001 C004	Reset system for folding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces.
Accessories for: SECTIONAL DOORS	
001 C011	Chain transmission system with 1:1 ratio, featuring a pinion with Z = 26 for gearmotor hollow shaft, Z = 26 pinion with chain and coupler for 1/2" chain and bracers for anchoring to the gearmotor.
001 C005	Chain-drive system (upper door height at 5.5.m) with Z = 26 pinion shaft for gearmotor hollow shaft, Z = 40 pinion with chain and joint for 1/2" chain and gearmotor-anchoring braces.
001 C006	Package of two drilled braces with Ø 25.4 mm (1") spring shaft (this accessory is specific for fitting onto doors with direct transmission gearmotor).
001 C007	Accessory with Ø 25 mm spring shaft.
001 C008	Accessory with Ø 40 mm spring shaft.
001 C009	Motor supporting brace with Ø 25.4 mm (1") spring shaft (specific accessory for fitting onto doors with direct-drive gearmotors).
801XC-0150	Winch for manual drive with DIN 766 Ø 3 mm chain (chain L = 10 m).
Accessories	
001 CMS	Release handle with customized key and resetting pull-cord L = 7 m.
001 C002	Hanging release system.
24 V accessories for: SECTIONAL DOORS	
806XG-0060 	Safety sensor for industrial doors using laser technology with a detection zone of max. 10 m × 10 m.
806XG-0070 	Safety sensor for industrial doors using laser technology with a detection zone of max. 5 m × 5 m.
Accessories for: 806XG-0060 - 806XG-0070	
818XG-0019	Remote control for opening and safety detector.
806XG-0050	Steel support for opening detector and barrier safety.
806XG-0040	24 V DC power supply for opening and safety detector.

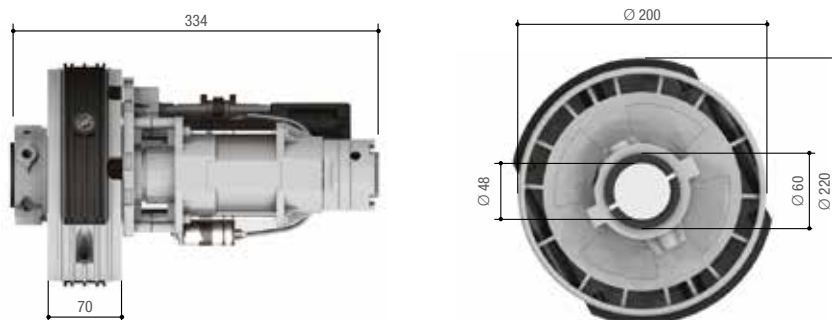


Ideal for winding shutters in single homes and apartment blocks

- Operator for most private and business facilities.
- Adaptable to either 48 mm or 60 mm shutter shafts and 200 mm or 220 mm springs.
- Quick and easy travel adjusting.
- Series adaptors for all models.
- Reduction ratio: 1: 150.



Dimensions (mm)



Operational limits

MODELS	001H40230120	001H41230120	001H40230180	001H41230180
Max. hoisting strength (kg)	120	120	180	180

Technical characteristics

CODE	001H40230120	001H41230120	001H40230180	001H41230180
Hoisted weight (Kg)*	120	120	180	180
Protection rating (IP)	40	40	40	40
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Absorption (A)	1,95	1,95	2,6	2,6
Power (W)	450	450	600	600
Reduction ratio (i)	1/150	1/150	1/150	1/150
Duty/cycle (%)	30	30	30	30
Crown turns (rpm)	10	10	10	10
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	160	160	160	160

● 230 V AC

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

230 V AC Gearmotors	
---------------------	--

001 H40230120	230 V AC irreversible operator complete with pull-cord release. Max. lifted weight 120 kg.
----------------------	--



001 H41230120	230 V AC reversible operator Max. lifted weight 120 kg.
----------------------	---

001 H40230180	230 V AC irreversible operator complete with pull-cord release. Max. lifted weight 180 kg.
----------------------	--

001 H41230180	230 V AC reversible operator Max. lifted weight 180 kg.
----------------------	---

Control panels for 230 V AC gearmotors	
--	--

809QA-0010	230 V AC control panel with on-board radio decoding.
-------------------	--



Accessories for: 001H41230120 - 001H41230180	
--	--

001 H001	Electric lock for the H41230120 and H41230180 reversible gearmotors, with pull-cord measuring L = 5 m and releasing knob.
-----------------	---



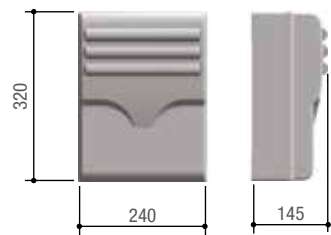
Accessories for: 001H40230120 - 001H40230180	
--	--

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



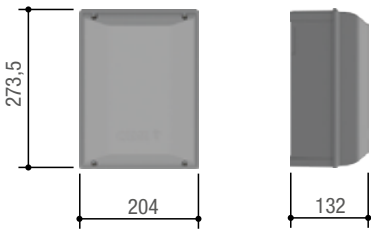
CONTROL PANEL DIMENSIONS

Dimensions (mm)

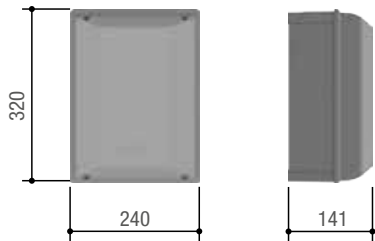


002ZM3E
002ZC3
002ZC3C
002ZM3EC

001ZT6
002ZT6C



801QA-0050



801QA-0060



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

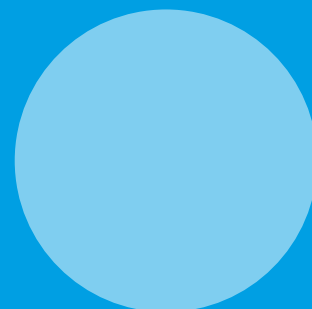
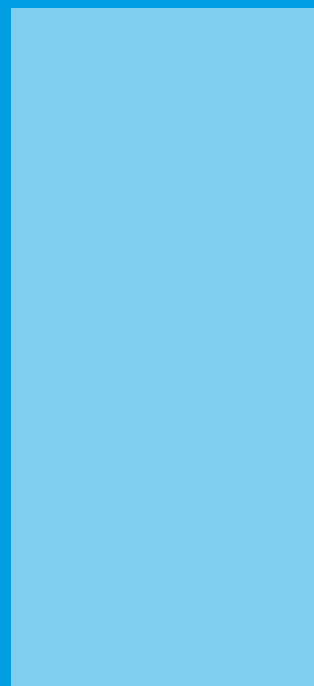
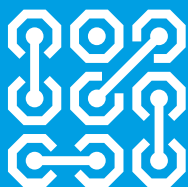
Models / Series	F40230E	F40230E C-BX C-BXK	F4024E F4024EP	F4024E F4024EP	C-BX C-BXK	C-BX C-BXK	C-BXT	H4
Control board / Control panel	ZM3E	ZM3EC	801QA-0050	801QA-0060	ZC3	ZC3C	ZT6	809QA-0010
Safety								
SELF-DIAGNOSING safety decives	●	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●	●	●
Obstruction WAIT	●	●	●	●				
TOTAL STOP	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●	●	●
ENCODER	●	●	●	●				
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●		●	●				
AMPEROMETRIC DETECTION			●	●				
Command								
PEDESTRIAN OPENING 1 leaf	●	●	●	●				
PARTIAL OPENING 1 leaf	●	●	●	●	●	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●
DELAYED OPENING 1st leaf	●	●	●	●				
DELAYED OPENING 2nd leaf	●	●	●	●				
IMMEDIATE CLOSING								
EMERGENCY RELEASE from the transmitter								
Characteristics								
FLASHING LIGHT connection	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●	●	●
COURTESY LIGHT connection	●	●	●	●	●	●	●	●
Antenna	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●
CLOSED ALERT LIGHT connection			●	●			●	●
Contact output for 2nd RADIO CHANNEL	●	●		●	●	●	●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●	●	●		●	●		●
Connection for the ELECTRIC LOCK and/or RAMMING	●	●	●	●				
SLEEP MODE								
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●	●				
EMERGENCY BATTERY operation (optional)			●	●				
MASTER-SLAVE							●	●
Adjustable TRAVEL and SLOW-DOWN speeds*	●	●	●	●				
DISPLAY	●	●	●					
Graphic DISPLAY				●				
Electronic brake					●	●	●	●
SELF-LEARNING opening and closing limit-switches	●	●	●	●				
Compatible with Connect technology	●		●	●				
CRP control	●		●	●				
CXN BUS			●	●				
AST (Adaptive Speed and Torque Technology)			●	●				
Slot CAME Key			●	●				
TIMER control				●				
Possibility of managing two different motors				●				

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

NOTES

* 002 ZM3E - 002ZM3EC only for slow-down speed

CONTROL AND SAFETY ACCESSORIES











198	SELECTION GUIDE
208	TTS
210	TOP
214	DXR
216	DLX
218	DIR
220	KRX
222	KIARO
224	SEL KEY
226	SEL DIGITAL
230	RBE-RE
234	GATEWAY
236	DFWN
238	EDG
242	RIO SYSTEM 2.0

Selection guide









CONTROL AND SAFETY ACCESSORIES

The control and safety accessories complete and optimize the system and ensure its efficiency and peace-of-mind of the user, in full compliance with European Standards. The following pages are laid out to simplify your choosing of accessories that best suit your system.

SAFETY ACCESSORIES

Product	Series	Characteristic	Type	Code	
Photocells	DIR	Surface mounted	Synchronized infrared	001DIR10	
		Surface mounted	Synchronized infrared	001DIR20	
		Surface mounted	Synchronized infrared	001DIR30	
	DXR	Surface mounted	Synchronized infrared	806TF-0030	
		Surface mounted	Synchronized infrared	806TF-0040	
		Surface mounted	Battery-operated synchronized infrared	806TF-0060	
		Surface mounted	Synchronized infrared with CXN BUS connection	806TF-0110	
	DLX	Recess mounted	Synchronized infrared	806TF-0070	
		Surface mounted	Synchronized infrared	806TF-0080	
		Recess mounted	Synchronized infrared with CXN BUS connection	806TF-0090	
		Surface mounted	Synchronized infrared with CXN BUS connection	806TF-0100	
Wireless safety systems	RIO System 2.0	Surface mounted	Radio control module	806SS-0050	
		Surface mounted	Wireless flashing light	806SS-0030	
		Surface mounted	Wireless infrared beam photocells	806SS-0010	
		Surface mounted	Wireless module for sensitive safety-edges.	806SS-0020	
		Plug-in	Radio control module	806SS-0040	

SAFETY ACCESSORIES

Product	Series	Characteristic	Type	Code	
Sensitive safety-edges	EDG F	Resistive	Ready to use L = 900 mm	806ED-0110	
		Resistive	Ready to use L = 1400 mm	806ED-0111	
		Resistive	Ready to use L = 1900 mm	806ED-0112	
		Resistive	Ready to use L = 2400 mm	806ED-0113	
		Resistive	Ready to use L = 3000 mm	806ED-0114	
		Resistive	Ready to use L = 3500 mm	806ED-0115	
	EDG H	Resistive	Ready to use L = 1500 mm	806ED-0130	
		Resistive	Ready to use L = 1700 mm	806ED-0131	
		Resistive	Ready to use L = 2000 mm	806ED-0132	
		Resistive	Ready to use L = 2500 mm	806ED-0133	
	EDG I	Resistive	Ready to use L = 1500 mm	806ED-0140	
		Resistive	Ready to use L = 1700 mm	806ED-0141	
		Resistive	Ready to use L = 2000 mm	806ED-0142	
		Resistive	Ready to use L = 2500 mm	806ED-0143	
	EDG L	Resistive	Ready to use L = 1500 mm	806ED-0150	
		Resistive	Ready to use L = 1700 mm	806ED-0151	
		Resistive	Ready to use L = 2000 mm	806ED-0152	
		Resistive	Ready to use L = 2500 mm	806ED-0153	
	DFWN	Mechanical	Ready to use	001DFWN1500 001DFWN1500N	
		Mechanical	Ready to use	001DFWN1700 001DFWN1700N	
		Mechanical	Ready to use	001DFWN2000 001DFWN2000N	
		Mechanical	Ready to use	001DFWN2500 001DFWN2500N	
Flashing lights	KIARO	Optional antenna	LED	001KLED	
		Optional antenna	LED	001KLED24	
	KRX	Built-in antenna	LED	806LA-0010	
		Built-in antenna	LED	806LA-0020	
		Built-in antenna	LED	806LA-0030	
		Built-in antenna	LED with BUS CXN connection	806LA-0050	
		Built-in antenna	LED with BUS CXN connection	806LA-0050	

For all sensitive safety edges, individual items are available for tailor-made composition.











CONTROL ACCESSORIES

Product	Series	Characteristic	Type	Code	
Selectors	SEL Digital	Surface mounted	Bluetooth digital Standalone	806SL-0210	
		Surface mounted	Bluetooth digital Standalone	806SL-0240	
		Surface mounted	Bluetooth digital Standalone	806SL-0250	
		Surface mounted	Plug-in digital bluetooth	806SA-0140	
		Surface mounted	Digital transponder with BUS CXN connection	806SL-0300	
		Recess mounted	Digital transponder with BUS CXN connection	806SL-0310	
		Surface mounted	Digital with wireless keypad	806SL-0170	
		Surface mounted	Digital with wireless keypad	806SL-0180	
		Surface mounted	Digital with BUS CXN connection keypad	806SL-0280	
		Recess mounted	Digital with BUS CXN connection keypad	806SL-0290	
		Recess mounted	Microwave sensor	806SL-0260	
		Indoor	Magnetic sensor	001SMA	
		Indoor	Magnetic sensor	001SMA2	
		Indoor	Magnetic sensor	001SMA220	
	SEL Key	Surface mounted	Key-operated with DIN cylinder	806SL-0050	
		Surface mounted	Key-operated with DIN cylinder For 230 V	806SL-0090	
		Recess mounted	Key-operated with DIN cylinder	806SL-0060	
		Recess mounted	Key-operated with DIN cylinder For 230 V	806SL-0100	
		Surface mounted	Key-operated with cylinder	806SL-0010	
		Recess mounted	Key-operated with cylinder	806SL-0020	
		Surface mounted	Key-operated without DIN cylinder	806SL-0051	
		Recess mounted	Key-operated without DIN cylinder	806SL-0061	

CONTROL ACCESSORIES

Product	Series	Characteristic	Type	Code	
Transmitters	TOP	433.92 MHz Rolling code	4 buttons	806TS-0270	
		433,92 MHz Fixed Code	2 buttons	806TS-0300	
		433,92 MHz Fixed Code	4 buttons	806TS-0310	
		433.92 MHz - 868.35 MHz Rolling code	4 buttons	806TS-0290	
		433.92 MHz - 868,35 MHz Fixed code	4 buttons	806TS-0330	
	TTS	433.92 MHz - 868.35 MHz Rolling code	4 buttons	806TS-0230	
		433,92 MHz Fixed Code	4 buttons	806TS-0240	
		433,92 MHz Rolling Code	4 buttons	806TS-0250	



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	●	●	●	

Transmitters-receivers pairings

SERIES	MODEL	CONTROL PANEL TYPE		RECEIVER TYPE		RECEIVER MODULES *	
		CONTROL PANEL WITH DISPLAY *	CONTROL PANEL WITHOUT DISPLAY *	TWO-CHANNEL RECEIVER		806RV-0010	806RV-0020
SEL Digital		Plug-in radio-frequency board		001RE432M	001RE862M	Plug-in radio-frequency board	
	806SL-0170	001AF43S		●		001AF43S	
	806SL-0180	001AF868			●	001AF868	
	806SL-0150	001R800** or 806SL-0370					
	806SL-0160						
TTS	806TS-0230	001AF43S or 001AF868	001AF43SR or 001AF868SR	●	●	001AF43S or 001AF868	
	806TS-0240	001AF43S	001AF43TW (Key Code)	●		001AF43S	
	806TS-0250	001AF43S	001AF43SR	●		001AF43S	
	806TS-0270	001AF43S	001AF43SR	●		001AF43S	
TOP	806TS-0300	001AF43S	001AF43SR	●		001AF43S	
	806TS-0310	001AF43S	001AF43SR	●		001AF43S	
	806TS-0290	001AF43S or 001AF868	001AF43SR or 001AF868SR	●	●	001AF43S or 001AF868	
	806TS-0330	001AF43S or 001AF868 (Default)	001AF43SR or 001AF868SR	●	●	001AF43S or 001AF868	

NOTES

* Decoder control card to buy depending on the type of control panel

** If required in the control panel, the item is available in the access-control catalog.

THE SAFETY

GENERAL CHARACTERISTICS



PHOTOCELLS: SYNCHRONIZED INFRARED BEAM

Thanks to the synchronized beam, multiple pairs of photocells can be applied to the same system, even at double height and/or close to each other - with no interference issues.



FLASHING LIGHTS: LOW CONSUMPTION MOVEMENT DETECTORS

Lightweight, practical and quick to install, the beacons are equipped with a low consumption LED lamp.

Available in 24 V AC - DC and 120 - 230 V AC versions, they are equipped with accessories for wall mounting and integrated antenna (KRX only).



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-meter range, which controls up to 10 wireless accessories of the Rio series, which have been programmed into the 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-0030 and 806SS-0040

INSTALLATION ACCESSORIES:

FOR RIO SYSTEM 2.0-SERIES PHOTOCELLS

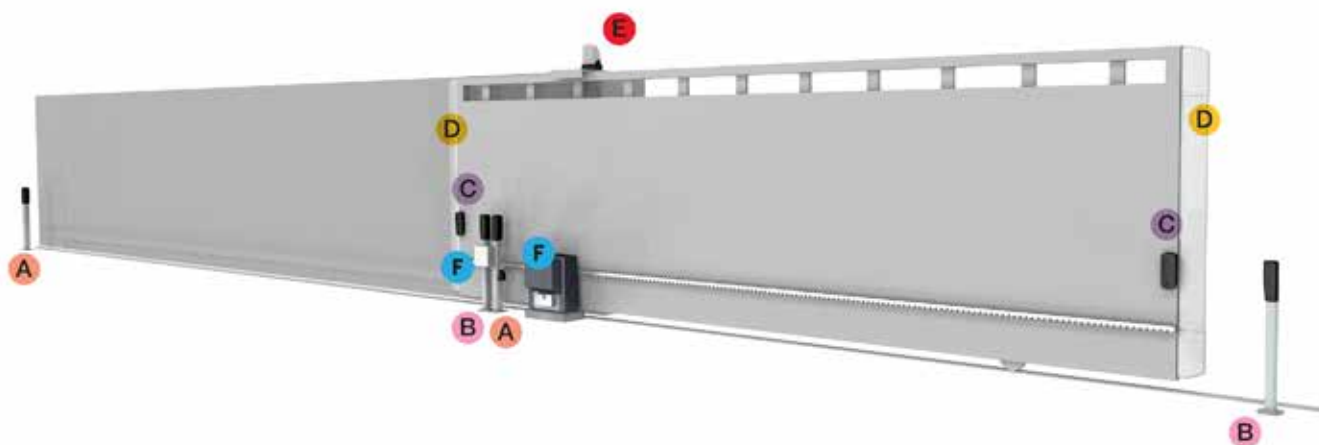
001DB-L Post made of natural-finish anodized aluminum.

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.

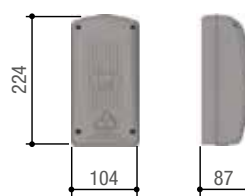
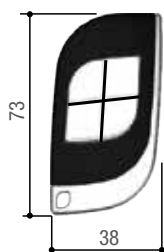




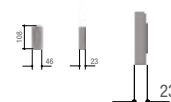
Remote control featuring an elegant and refined design

- 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-0010
806RV-0020



001RE432M
001RE862M





















Operational limits

MODELS	806TS-0230	806TS-0240	806TS-0250
Max. range of radio (m)	50 ÷ 150	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0230	806TS-0240	806TS-0250
Combinations	4.294.967.896	16.777.216	4.294.967.896
Radio signal frequency (Mhz)	433,92 - 868,35	-	433,92
Battery type	1 CR2032 Lithium	1 CR2032 Lithium	1 CR2032 Lithium
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	Polycarbonate - Zamak	Polycarbonate - Zamak	Polycarbonate - Zamak

Code Description

Dual frequency transmitters, 433.92 MHz and 868.35 MHz		
806TS-0230	TTS44RKS - Double frequency four-channel rolling code transmitter. 4,294,967,896 combinations.	
433.92 MHz transmitters		
806TS-0240	TTS44FKS - Four-channel transmitter with new fixed code encoding at 433.92 MHz and self-learning function for TOP, TAM and TWIN series radio controls.	
806TS-0250	TTS44RKS - Four-channel 433.92 MHz rolling code transmitter. 4,294,967,896 combinations.	
Snap-in 433.92 MHz receivers		
001 AF43S	433,92 MHz plug-in radio frequency card.	
001 AF43SR	433.92 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters.	
001 AF43TW	433,92 MHz plug-in radio frequency card.	
868.35 MHz plug-in receivers for: 806TS-0230		
001 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.	
24 V AC - DC external modules		
806RV-0010 	RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.	
120 - 230 V AC external modules		
806RV-0020 	RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.	
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers		
001 RE432M 	Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.	
External, 12 - 24 V AC - DC, 868.35 MHz radio receivers for: 806TS-0230		
001 RE862M 	Two-channel 868.35 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D and TTS coding.	
868.35 MHz antenna for: 001KLED - 001KLED24		
001 TOP-A862N	Antenna tuned at 868.35 MHz.	
433.92 MHz antenna for: 001KLED - 001KLED24		
001 TOP-A433N	Antenna tuned at 433.92 MHz.	
Accessories		
001 TOP-RG58	Antenna cable.	
Transmitter accessories		
806XG-0020	Pack of no. 2 3V DC CR2032 lithium batteries.	

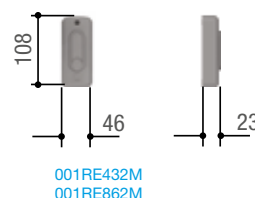
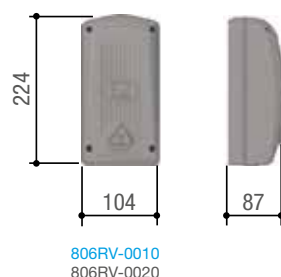
NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.



The CAME remote control

- 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)





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 and TWIN 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.
Snap-in 868.35 MHz receivers	
001 AF868	868.35 MHz plug-in radio frequency card.
001 AF868SR	868.35 MHz plug-in radio frequency card for maximum 25 Rolling Code transmitters.



THE COMPLETE RANGE

Code Description

24 V AC - DC external modules

806RV-0010 RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



120 - 230 V AC external modules

806RV-0020 RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



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

001RE432M Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.



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

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



433.92 MHz antenna for: 001KLED - 001KLED24

001TOP-A433N Antenna tuned at 433.92 MHz.



868.35 MHz antenna for: 001KLED - 001KLED24

001TOP-A862N Antenna tuned at 868.35 MHz.



Accessories

001TOP-RG58 Antenna cable.



Transmitter accessories

806XG-0020 Pack of no. 2 3V DC CR2032 lithium batteries.



NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.

Blank lined area for writing.



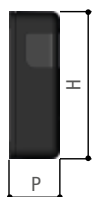
Swiveling, synchronized infrared-beam safety devices

- 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.
- Available in the traditional version (black edge) and in the CXN BUS version (blue edge).

Dimensions (mm)



806TF-0030
806TF-0060
806TF-0110



806TF-0040
806TF-0050



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
806TF-0030	46	108	37
806TF-0040	52	145	39
806TF-0050	52	145	39
806TF-0060	46	108	37

Operational limits

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

Technical characteristics

MODELS	806TF-0030	806TF-0040	806TF-0060	806TF-0110
Protection rating (IP)	54	54	54	54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC (RX)	CXN BUS
Power (W)	-	-	-	0.29
Batteries	-	-	1 x CR123A	-
Battery capacity (mAh)	-	-	1700	-
Absorption (mA)	40	40	-	-
Maximum rating of output contacts at 24 V (A)	0.5	0.5	0.5	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS - Aluminum	ABS	-

Code Description

Adjustable synchronized infrared beam photocells

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



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



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



Synchronized, adjustable, CXN BUS infrared-beam photocells

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



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

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

001**DIR-L** Natural-finish aluminum post
H = 500 mm.

001**DIR-LN** Black anodized aluminum post.
H = 500 mm.

001**DIR-CG** Silver RAL9006, PVC post.
H = 500 mm.

Accessories for: 806TF-0030 - 806TF-0040 - 806TF-0060 - 806TF-0110

001**DIR-S** Recess-mounting casing.

Accessories for: 001DIR-L

001**DIR-P** Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm

Accessories for: 001DIR-LN

001**DIR-PN** Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm

Accessories for: 001DIR-CG

001**DIR-CGP** Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm

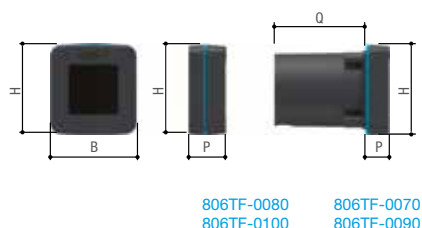




Synchronized infrared-beam safety devices

- 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.
- Available in the traditional version (black edge) and in the CXN BUS version (blue edge).

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-0030	806TF-0040	806TF-0060	806TF-0110
Protection rating (IP)	54	54	54	54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC (RX)	CXN BUS
Power (W)	-	-	-	0.29
Batteries	-	-	1 x CR123A	-
Battery capacity (mAh)	-	-	1700	-
Absorption (mA)	40	40	-	-
Maximum rating of output contacts at 24 V (A)	0.5	0.5	0.5	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS - Aluminum	ABS	-


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


Adjustable synchronized infrared beam photocells

806TF-0070 	DLX30CIP - Pair of surface mounted synchronized adjustable infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 30 m.
--	--

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

Synchronized infrared-beam CXN BUS photocells

806TF-0090 	DLX30SIP - Pair of built-in synchronized infra-red beam BUS CXN photocells. Range: 30 m.
--	--

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

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

009 DOC-S	Recess-mounting casing.
------------------	-------------------------

001 DOC-L	Anodized aluminum with natural finish post. H = 500 mm.
------------------	--

001 DOC-LN	Black anodized aluminum post. H = 500 mm.
-------------------	--

Accessories for: 806TF-0080 - 806TF-0100

001 DOC-R	Steel brace for flush surface mounting on the post.
------------------	---

001 DELTA-B	Natural-finish anodized aluminum post for bi-directional fitting. H = 500 mm
--------------------	---

001 DELTA-BN	Black anodized aluminum post for bi-directional fitting. H = 500 mm
---------------------	--

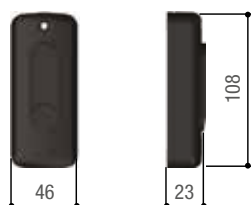




Safety devices for automated systems

- Control the gate's area of movement
- Synchronized infra-red beam to avoid any external signal interference.
- The double-height post, also in the new PVC version, for installing at points where heavy-duty vehicles transit through is available.
- High degree of protection against weathering.
- Available in 10, 20 and 30 meter versions.

Dimensions (mm)



Operational limits

MODELS	DIR10	DIR20	DIR30
Max range of infrared beam (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
Absorption	60	60	60
Max. rating of 24 V (A) relay contacts	0,5	0,5	0,5
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS - Polycarbonate	ABS - Polycarbonate	ABS - Polycarbonate

● 12 - 24 V AC - DC

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

Dir- series, synchronized infrared-beam photocells	
--	--

001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.
------------------	--



001 DIR20	Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 20 m.
------------------	--



001 DIR30	Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 30 m.
------------------	--



Accessories for: 001DIR10 - 001DIR20 - 001DIR30	
---	--

001 DIRZ	Aluminum alloy, shock-proof protection.
-----------------	---



001 DIR-S	Recess-mounting casing.
------------------	-------------------------



001 DIR-L	Natural-finish aluminum post H = 500 mm.
------------------	---



001 DIR-LN	Black anodized aluminum post. H = 500 mm.
-------------------	--



001 DIR-CG	Silver RAL9006, PVC post. H = 500 mm.
-------------------	--



Accessories for: 001DIR-L	
---------------------------	--

001 DIR-P	Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
------------------	--



Accessories for: 001DIR-LN	
----------------------------	--

001 DIR-PN	Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
-------------------	---



Accessories for: 001DIR-CG	
----------------------------	--

001 DIR-CGP	Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm
--------------------	--

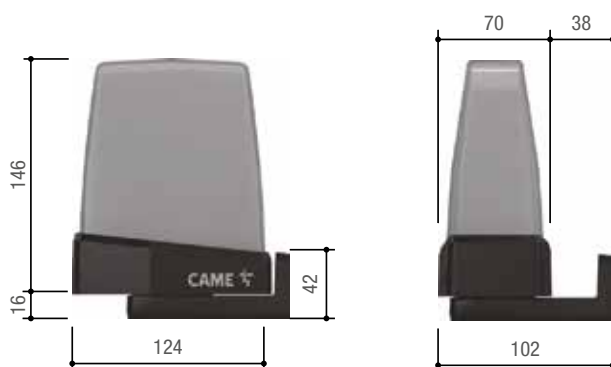




Elegant form and technological innovation

- Sleek design and high-quality materials for a flashing light that offers much more than simple light alerts.
- Unique model with universal power supply from 24 V AC - DC to 230 V AC.
- Available in White, Yellow and Orange.
- Integrated double antenna (433.92 MHz and 868.35 MHz).
- Wall-mounted bracket that solves every installation.

Dimensions (mm)



Technical characteristics

MODELS	806LA-0010	806LA-0020	806LA-0030	806LA-0050
Protection rating (IP)	54	54	54	54
Power supply (V)	24 DC/AC - 230 AC	24 DC/AC - 230 AC	24 DC/AC - 230 AC	CXN BUS
Radio signal frequency (Mhz)	433 and 868	433 and 868	433 and 868	433 and 868
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS – Polycarbonate	ABS – Polycarbonate	ABS – Polycarbonate	ABS – Polycarbonate

● 120 - 230 V AC ● 24 V AC - DC

Code Description

24 V AC - DC to 230 V AC flashing lights

806LA-0010 KRX1FXSO - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with orange dome.



806LA-0020 KRX1FXSW - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with white dome.



806LA-0030 KRX1FXSY - LED flashing light with power supply from 24 V AC - DC up to 230 V AC with yellow dome.



Flashing light with BUS CXN technology

806LA-0050 KRX1B1RW - RGB LED flashing light with white dome and BUS CXN technology.



Accessories for: 806LA-0050

806SA-0140 Gateway to connect the operator to the cloud via WiFi or locally via Bluetooth mode (5 users).



806SA-0150 Slave Module to connect the operator to the CAME Connect gateways.



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

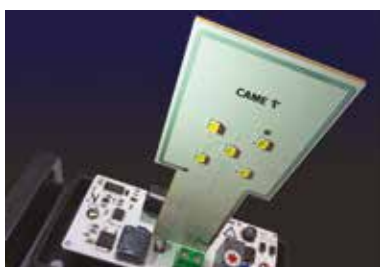
001AF868 868.35 MHz plug-in radio frequency card.

Accessories

806LA-0040 Wall-fastening base for KRX.



001TOP-RG58 Antenna cable.



BUILT-IN ANTENNA

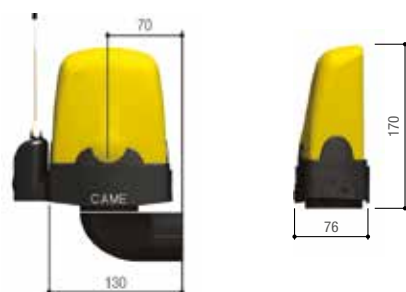
On all KRX models, a universal 433.92 MHz and 868.35 MHz radio antenna is integrated and the 001TOP-RG58 cable can be added to complete the set-up.



The low-consuming, movement alerter

- Sleek design and high-quality materials for a flashing light that offers much more than simple light alerts.
- Long life and low consumption.
- Energy efficiency is linked to lower consumption (1 W - 120 V AC / 2 W - 230 V AC / 2 W - 24 V AC - DC).
- Wall mounting bracket that solves any installation.

Dimensions (mm)



Technical characteristics

MODELS	KLED	KLED24
Protection rating (IP)	54	54
Power supply (V)	120 - 230 AC 50/60 Hz	24 V AC - DC 50/60 Hz
Power (W)	2 (230 V AC) - 1 (120 V AC)	2
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS - Polycarbonate	ABS - Polycarbonate

● 120 - 230 V AC ● 24 V AC - DC

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

120 - 230 V AC Flashing light	
-------------------------------	--

001 KLED	LED flashing light signaller.
-----------------	-------------------------------



24 V AC – DC Flashing light	
-----------------------------	--

001 KLED24	LED flashing light signaller.
-------------------	-------------------------------



Accessories for: 001KLED - 001KLED24	
--------------------------------------	--

001 KIAROS	Wall-fastening base.
-------------------	----------------------



433.92 Mhz antenna	
--------------------	--

001 TOP-A433N	Antenna tuned at 433.92 MHz.
----------------------	------------------------------



868.35 Mhz antenna	
--------------------	--

001 TOP-A862N	Antenna tuned at 868.35 MHz.
----------------------	------------------------------



Accessories for: 001TOP-A433N - 001TOP-A862N	
--	--

001 TOP-RG58	Antenna cable.
---------------------	----------------





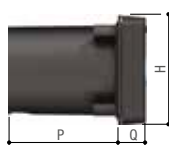
The control for all operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- RAL7024 gray cover.
- Available in the key-operated version with cylinder lock or with European DIN cylinder (even for 230 V applications).

Dimensions (mm)



SURFACE-MOUNTED



RECESS-MOUNTED









Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)	Q (mm)	P + Q (mm)
806SL-0050	70.5	73.5	47.5	16.5	64
806SL-0060	70.5	73.5	76	16.5	92.5
806SL-0010	70.5	73.5	33.5	16.5	50
806SL-0020	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-0010	806SL-0020	806SL-0090	806SL-0100	806SL-0051	806SL-0061
Protection rating (IP)	44	44	44	44	44	44	44	44
Power (W)	0,3	0,3	0,3	0,3	-	-	0,3	0,3
Max. rating of 24 V (A) relay contacts	3	3	3	3	-	-	3	3
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Code Description

Key-switch selectors with DIN lock	
806SL-0050 	SELD1FDG - surface-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
806SL-0060 	SELD2FDG - Recess-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
8K06SL-004 	SELD1K01 - Kit consisting of two surface-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color.
8K06SL-005 	SELD2K01 - Kit consisting of two recess-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color.
Key-switch selectors with DIN lock for 230 V AC controls	
806SL-0090	SELD1FAG - Surface-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
806SL-0100	SELD2FAG - Recess-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
Key-switch selectors with cylinder locks	
806SL-0010 	SELC1FDG - Surface-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
806SL-0020 	SELC2FDG - Recess-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
Accessories for recess mounted selector switches	
001 CSS	Post made of natural-finish, anodized aluminum.
001 CSSN	Post made of black, anodized aluminum.
Key-switch selectors without DIN lock.	
806SL-0051 	SELD1FDS - Surface-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.
806SL-0061 	SELD2FDS - Recess-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.

NOTES: 806SL-0051 - 806SL-0061

For DIN lock cylinders, see spare part 119R36887 (from code 002 to code 050).

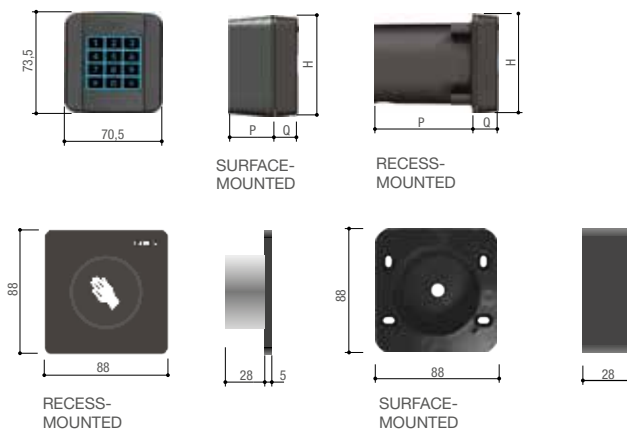




The digital control for all automated operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- Green and red feedback light on CXN BUS versions.
- RAL7024 gray cover.
- 12-key keypad for extra security.
- Transponder selector for Manchester-type cards and keyfobs.
- Bluetooth selector with CAME AUTOMATIONBT APP free for IOS and Android.
- Bluetooth plug-in selector version 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-0280	70,5	73,5	21	16,5	37,5
806SL-0290	70,5	73,5	76	16,5	92,5
806SL-0300	70,5	73,5	21	16,5	37,5
806SL-0310	70,5	73,5	76	16,5	92,5
806SL-0210	70,5	73,5	33,5	16,5	50
806SL-0240	70,5	73,5	33,5	16,5	50
806SL-0250	70,5	73,5	33,5	16,5	50
806SL-0260	88	88	28	5	33
806SL-0270	88	88	-	5	5

Technical characteristics

MODELS	806SL-0170	806SL-0180	806SL-0280	806SL-0290	806SL-0300	806SL-0310	806SL-0210
Protection rating (IP)	54	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	12 - 24 AC - DC
Radio signal frequency (Mhz)	-	-	-	-	-	-	-
Power (W)	0,144	0,144	0.35	0.35	0,83	0.35	0,7
Battery type	1 CR123A	1 CR123A	-	-	-	-	-
Battery capacity (mAh)	1600	1600	-	-	-	-	-
Max. rating of 24 V (A) relay contacts	-	-	-	-	-	-	1
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20° ÷ +55°
Material	-	-	-	-	-	-	-
MODELS		806SL-0240	806SL-0250	806SL-0260	SMA	SMA2	SMA220
Protection rating (IP)		54	54	54	20	20	20
Power supply (V)		12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	24 V AC - DC	24 V AC - DC	230 AC
Max. rating of 24 V (A) relay contacts		1	1	1	-	-	-
Operating temperature (°C)		-20° ÷ +55°	-20° ÷ +55°	-20° ÷ +55°	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material		-	-	-	ABS	ABS	ABS

Code Description

433.92 MHz keypad radio selectors	
806SL-0170 	SELT1W4G - 433.92 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.
868.35 MHz keypad radio selectors	
806SL-0180 	SELT1W8G - 868.35 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.
Bluetooth digital selectors	
806SL-0210 	SELB1SDG1 - Surface-mounted Bluetooth selector for 15 users with blue backlighting, for use with AutomationBT APP. RAL7024 gray color.
806SL-0240 	SELB1SDG2 - Surface-mounted Bluetooth selector for 50 users with blue backlighting, for use with AutomationBT APP. RAL7024 gray color.
806SL-0250 	SELB1SDG3 - Surface-mounted Bluetooth selector for 250 users with blue backlighting, for use with AutomationBT APP. RAL7024 gray color.
12 - 24 V AC - DC microwave sensor	
806SL-0260 	SELS2SDG - Recess-mounted 12 - 24 V AC - DC touch sensor, with settable backlight.
Bluetooth digital plug-in selectors	
806SA-0140 	Gateway to connect the operator to the cloud via WiFi or locally via Bluetooth mode (5 users).
Transponder sensors	
806SL-0300 	SELR1BDG - Surface-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.
806SL-0310 	SELR2BDG - Recess-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.
Keypad selectors	
806SL-0280 	SELT1BDG - Surface-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
806SL-0290 	SELT2BDG - Recess-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.
Accessories for: 806SL-0280 - 806SL-0290 - 806SL-0300 - 806SL-0310	
806SL-0370 	S0002P - Surface-mounted IP54 12 - 24 V AC - DC dual-channel control card for keypads and transponders.



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.



THE COMPLETE RANGE

Code Description

24 V AC - DC magnetic sensors

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



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



230 V AC magnetic sensors

009**SMA220** Single.-channel magnetic sensor for detecting metal masses.

433.92 MHz plug-in receivers for: 806SL-0170

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.

Snap-in 868.35 MHz receivers for: 806SL-0180

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.

External 12 - 24 V AC - DC 433.92 MHz radio receivers for: 806SL-0170

001**RE432M** Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.



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

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



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

806**RV-0010** RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



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

806**RV-0020** RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



Code Description

Accessories for: 806RV-0010 - 806RV-0020	
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.
001 AF43S	433,92 MHz plug-in radio frequency card.
001 AF868	868.35 MHz plug-in radio frequency card.
Accessories for: 806SL-0260	
806 SL-0270	Surface-mounted casing.
Accessories for: 806SL-0290 - 806SL-0310	
001 CSS	Post made of natural-finish, anodized aluminum.
001 CSSN	Post made of black, anodized aluminum.
009 DOC-S	Recess-mounting casing.
868.35 MHz antenna for: 001KLED - 001KLED24 - 806SL-0180	
001 TOP-A862N	Antenna tuned at 868.35 MHz.
Antenna at 433.92 MHz for: 001KLED - 001KLED24 - 806SL-0170	
001 TOP-A433N	Antenna tuned at 433.92 MHz.
Accessories	
001 TOP-RG58	Antenna cable.
Accessories for: 806SL-0300 - 806SL-0310	
001 TST01	Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.
009 PCT	Keyfob transponder.

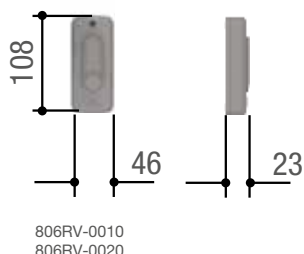




Modular radio receivers

- Management of up to 3000 users (RBE),
- Management of up to 50 users (RE).
- Available in the versions powered by 12 - 24 V AC - DC or 120 - 230 V AC.
- Manages all codes: TOP - TAM - ATOMO D - TTS - TWIN by using the AF43S or the AF868 boards, depending on the requested frequency.
- Possibility to set all CAME codes or only the Rolling Code (ATOMO D) or only the Key Code (TWIN).
- Three different uses depending on the plug-in card used:
 - 433.92 MHz or 868.35 MHz receiver
 - Management of two transponder readers with plug-in card 001R700
 - Management of five keypads with the 001R800 plug-in card

Dimensions (mm)



Technical characteristics

MODELS	RE432M	RE862M	806RV-0010	806RV-0020
Protection rating (IP)	65	65	65	65
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	120 - 230 V AC
Radio signal frequency (Mhz)	433,92	868,35	433,92 - 868,35	433,92 - 868,35
Max. rating of 24 V (A) relay contacts	1	1	-	-
Operating temperature (°C)	-20° ÷ 55°C	-20° ÷ 55°C	-20° ÷ 55°C	-20° ÷ 55°C

● 12 - 24 V AC - DC

Code Description

433.92 MHz radio receivers

001RE432M
 Two-channel 433.92 MHz surface-mounted IP54 12 - 24 V AC - DC receiver for storing up to 50 different users (codes), with TOP, TAM, ATOMO D, TWIN and TTS coding.



868.35 MHz radio receivers

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



12 - 24 V AC - DC external modules

806RV-0010
 RBE4024 - Four-channel surface-mounted multi-user IP54 receiver module, 24 V AC - DC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



120 - 230 V AC external modules

806RV-0020
 RBE4230 - Four-channel surface-mounted multi-user IP54 receiver module, 120 - 230 V AC to store up to 3000 different users (codes), for TOP, TAM, ATOMO D, TWIN and TTS series.



433.92 MHz radio accessories for: 806RV-0010 - 806RV-0020

001TOP-A433N Antenna tuned at 433.92 MHz.

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



868.35 MHz radio accessories for: 806RV-0010 - 806RV-0020

001TOP-A862N Antenna tuned at 868.35 MHz.

001AF868 868.35 MHz plug-in radio frequency card.



Accessories for antenna

001TOP-RG58 Antenna cable.



Accessories for keypad operation

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

806SL-0280
 SELT1BDG - Surface-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.

806SL-0290
 SELT2BDG - Recess-mounted 12-key BUS CXN keypad selector with blue backlighting. RAL7024 gray color.



Accessories for operation with transponder

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

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

806SL-0310
 SELR2BDG - Recess-mounted BUS CXN transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 gray color.

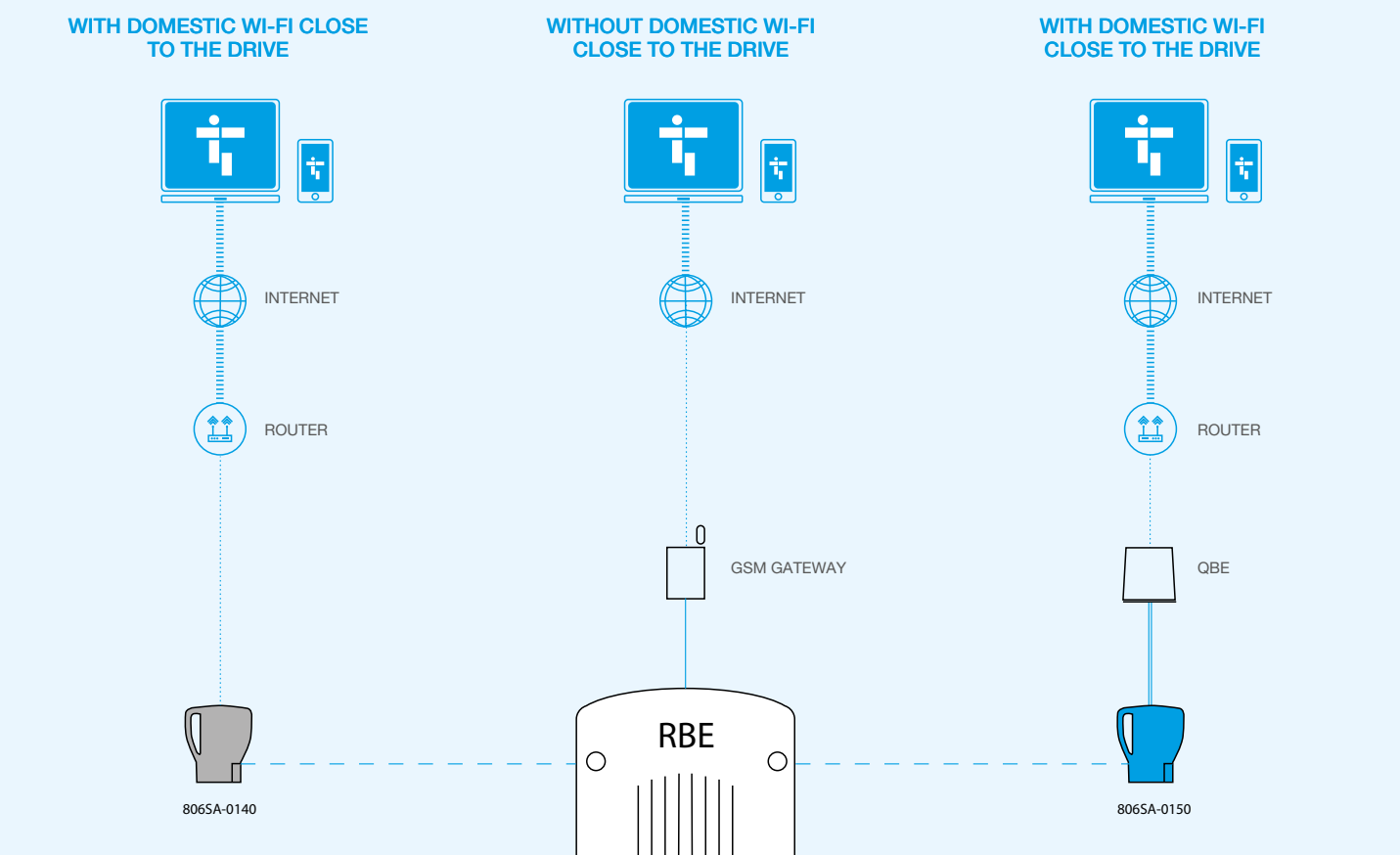


DOWNLOAD THE CAME AUTOMATIONBT APP

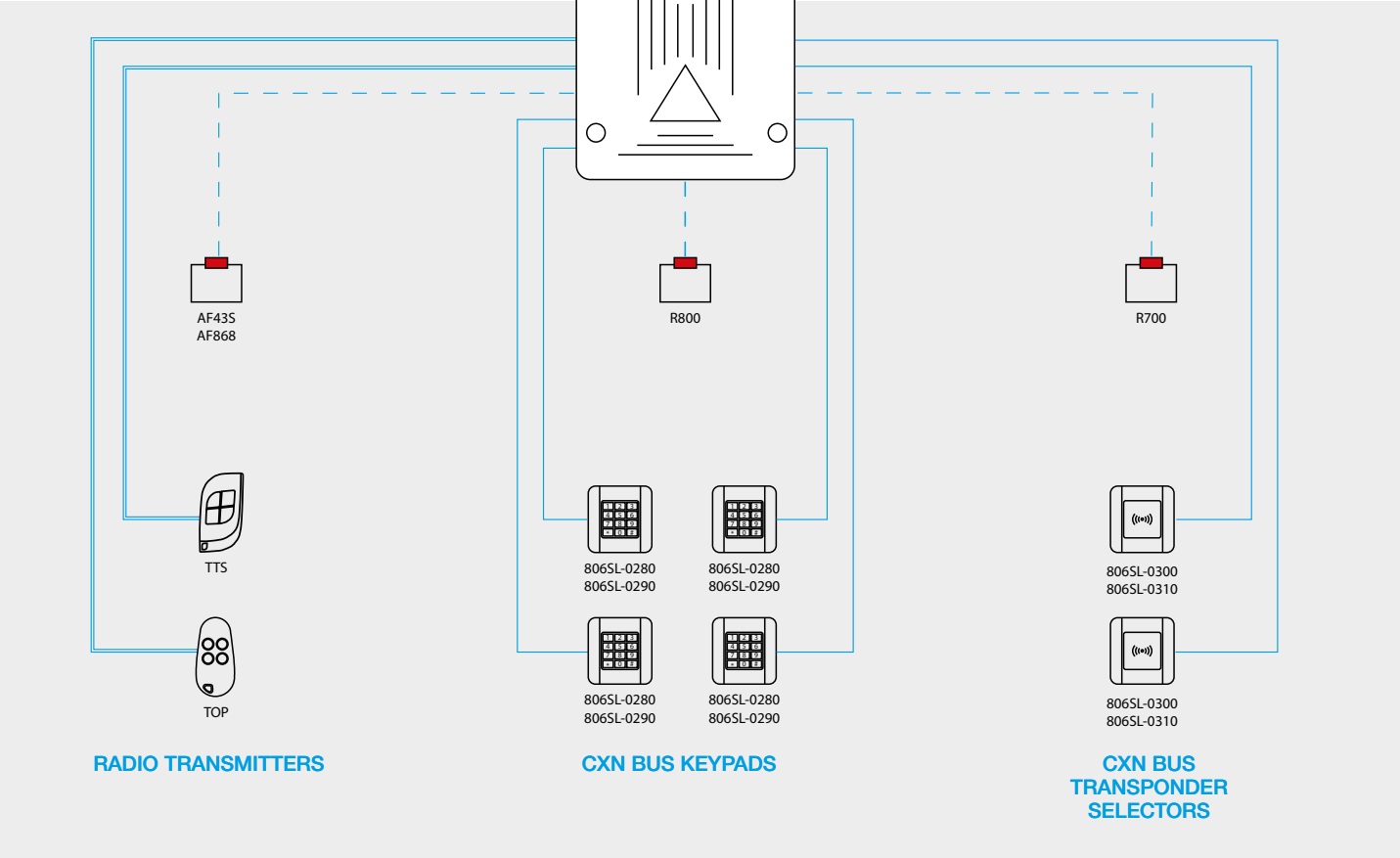
AutomationBT is CAME's new app for Bluetooth selectors that lets you control your automated operators via smartphone. Activate the location service, receive alerts and open the gate. The Keyless function lets you even do it automatically.



REMOTE CONTROL



ACCESSORIES CONNECTION



DATA NETWORK WI-FI PLUG-IN RADIO FREQUENCY WIRED

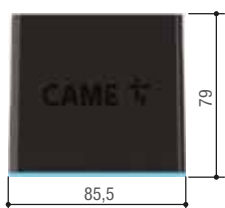
Notes:
Remote controls, keypads or transponder selectors can only be connected for one type of accessory.



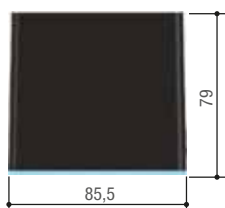
Technology to control automated operators from any remote location

- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.
- Freedom of installation by choosing the appropriate connection type (Wi-Fi-Ethernet-GSM).
- Possibility to extend the system using slave modules (806SA-0040 - 806SA-0150).
- Thanks to the CAME protocol it is possible to have total control of the operator (commands, automation status, programming).
- Possibility to program scenarios and timers, easily and intuitively.
- Thanks to two output relays and two digital inputs, integrated in the unit, the operator opening or closing can be controlled without the CAME protocol (806SA-0010 - 806SA-0020).
- The basic GSM version without built-in radio-frequency module is also available (806SA-0030).
- CAME AUTOMATION APP and CAME SETUP can be freely downloaded from Google Play or App Store.

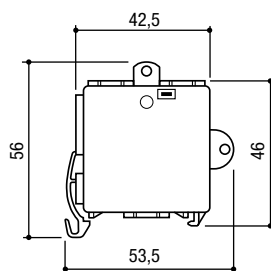
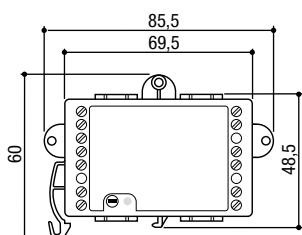
Dimensions (mm)



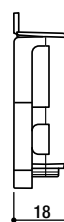
842EC-0020
806SA-0130



806SA-0010
806SA-0020










806SA-0040



Technical characteristics

MODELS	842EC-0020	806SA-0130	806SA-0010	806SA-0020	806SA-0040
Protection rating (IP)	30	30	-	-	-
Power supply (V)	5 DC	5 DC	12 - 30 AC - DC	12 - 30 AC - DC	12 - 30 AC - DC
Radio signal frequency (Mhz)	868,65 - 869,50	869,50	869,50	-	869,50
Data connection technologies	Wi-Fi - Ethernet	Wi-Fi - Ethernet	GSM	GSM	-
Power (W)	-	-	3	3	-
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

Code Description

Ethernet and WiFi Gateways	
842EC-0020 	QBEDFSB1 - Radio-frequency and WiFi Smart Home Gateway, with one App to manage all connected devices, remotely or on site.
806SA-0130 	QBEMFSB2 - Ethernet-WiFi Gateway for controlling, via the CAME Connect system, up to five slave modules over the radio-frequency connection.
Wi-Fi gateways	
806SA-0140 	Gateway to connect the operator to the cloud via WiFi or locally via Bluetooth mode (5 users).
GSM Gateways	
806SA-0010 	RGSM001 - GSM Gateway module with built-in radio, for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included). For controlling up to five slave modules.
806SA-0020 	RGSM001S - Stand-alone GSM Gateway module for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included).
Accessories for: 806SA-0010 - 806SA-0030 - 806SA-0130 - 842EC-0020	
806SA-0150 	Slave Module to connect the operator to the CAME Connect gateways.
806SA-0040 	RSLV001 - Slave module for operators (002RSE module included).
Accessories for GSM Gateway	
806SA-0050	Two-metre long antenna cable



DOWNLOAD THE CAME AUTOMATION APP

The Cloud connection changes the way we experience our automated operators, by ensuring comfort and safety. We have put all our CAME Connect automated products online. In this way they can be controlled from any smartphone or tablet.

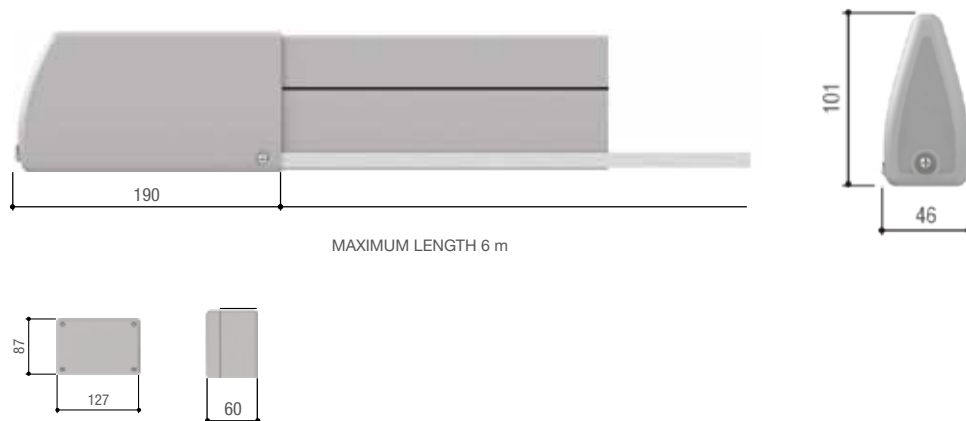




Sensitive edges certified for total protection

- An exclusive CAME patent for protection against any mechanical risk.
- The solution for high levels of safety and quality of your automated system.
- Mechanical or resistive contact (8K2Ω).
- Specific for using with RIO System 2.0 (requires items 806SS-0010 - 806SS-0040 - 806SS-0050), or DXR photocells (item 806TF-0060).
- A product that complies with standard EN13849-1.
- Available in both light gray and black versions.

Dimensions (mm)



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
Max. rating of 24 V (A) relay contacts	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A

Code Description

Sensitive safety-edges	
001DFWN1500	Sensitive safety edge made of rubber, with mechanical contact. L = 1,500 mm. Color light gray RAL 7040.
001DFWN1700	Sensitive safety edge made of rubber, with mechanical contact. L = 1,700 mm. Color light gray RAL 7040.
001DFWN2000	Sensitive safety edge made of rubber, with mechanical contact. L = 2,000 mm. Color light gray RAL 7040.
001DFWN2500	Sensitive safety edge made of rubber, with mechanical contact. L = 2,500 mm. Color light gray RAL 7040.
001DFWN1500N	Sensitive safety edge made of rubber, with mechanical contact. L = 1,500 mm. Color black RAL 9005
001DFWN1700N	Sensitive safety edge made of rubber, with mechanical contact. L = 1,700 mm. Color black RAL 9005
001DFWN2000N	Sensitive safety edge made of rubber, with mechanical contact. L = 2,000 mm. Color black RAL 9005
001DFWN2500N	Sensitive safety edge made of rubber, with mechanical contact. L = 2,500 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.
Components for: sensitive safety-edges	
001DFI	Circuit board for self-diagnosing the electrical connections, 12 - 24 V AC - DC.
Cordless control for resistive edges	
806TF-0060	DXR10BAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m.
Components for: sensitive safety-edges	
806SS-0060	ECN3F242 - Device for wired control in cat.3 for 8.2 KOhm resistive safety edges.

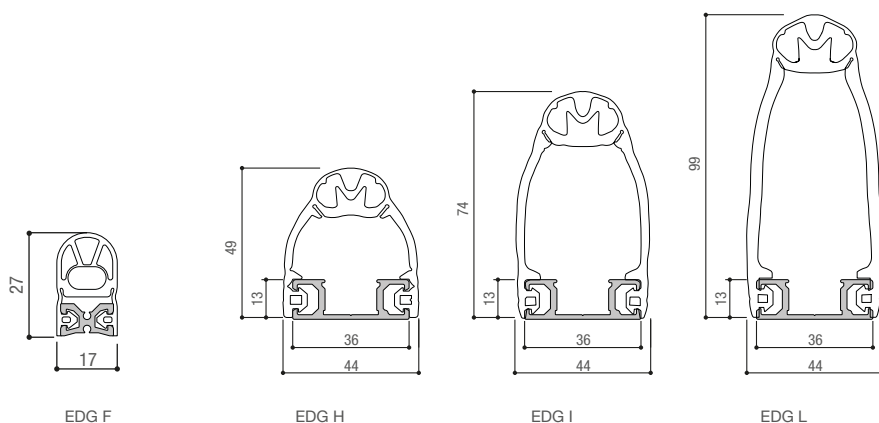




Resistive sensitive safety edges for total protection

- The right solutions for a high level of safety and quality of your automation system.
- Choose a ready-to-use sensitive safety edge in 4 different lengths or compose your custom profile.
- Each sensitive edge (model H-I-L) can be shortened using the dedicated scissors (806ED-0171).
- All sensitive edges are of the resistive type (8K2).
- Specific for using with RIO System 2.0 (requires items: 806SS-0010 - 806SS-0040 - 806SS-0050).
- The EDG series wired sensitive edge control device (806SS-0060) is available, certified in category 3 and corresponding to Performance Level E, according to EN ISO 13849-1.

Dimensions (mm)



Technical characteristics

MODELS	EDG F	EDG H	EDG I	EDG 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 = 1,500 mm.
806ED-0131	EDGH17R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 49 mm. L = 1,700 mm.
806ED-0132	EDGH20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 49 mm. L = 2,000 mm.
806ED-0133	EDGH25R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 49 mm. L = 2,500 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 = 1,500 mm.
806ED-0141	EDGI17R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 74 mm. L = 1,700 mm.
806ED-0142	EDGI20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 74 mm. L = 2,000 mm.
806ED-0143	EDGI25R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 74 mm. L = 2,500 mm.



EDG L - Cuttable resistive safety edges with Click-Fit base - H = 99 mm

806ED-0150	EDGL15R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 99 mm. L = 1,500 mm.
806ED-0151	EDGL17R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 99 mm. L = 1,700 mm.
806ED-0152	EDGL20R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 99 mm. L = 2,000 mm.
806ED-0153	EDGL25R1 - Resistive safety edge, rubber with profile dimensions 44 mm x 99 mm. L = 2,500 mm.



Accessories for resistive sensitive edges

806SS-0060	ECN3F242 - Device for wired control in cat.3 for 8.2 KOhm resistive safety edges.
-------------------	---



Cordless control for resistive edges

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



THE COMPLETE RANGE

Code Description

Components for installing the sensitive safety-edges	
806ED-0160	Rubber profile with dimensions 44 mm x 49 mm. L = 25 m.
806ED-0161	Rubber profile with dimensions 44 mm x 74 mm. L = 25 m.
806ED-0162	Rubber profile with dimensions 44 mm x 99 mm. L = 25 m.
806ED-0163	Aluminum profile (10 pcs). L = 2 m.
806ED-0164	Contact terminals (20 pcs).
806ED-0165	8k2 Ohm resistive contact terminals (10 pcs).
806ED-0166	Caps for profile size 44 mm x 49 mm (20 pcs).
806ED-0167	Caps for profile size 44 mm x 74 mm (20 pcs).
806ED-0168	Caps for profile size 44 mm x 99 mm (20 pcs).
806ED-0169	Connection cable L= 2 m (10 pz).
806ED-0170	Serial connection cable L= 2 m (10 pz).
806ED-0171	Scissors for rubber profiles.

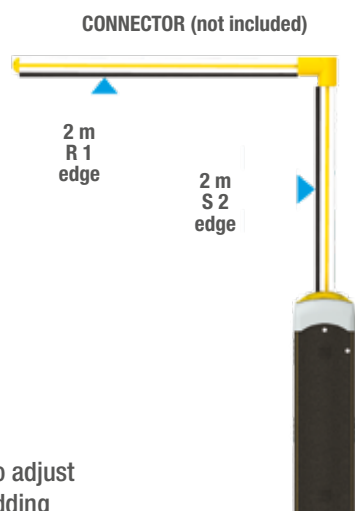


Code Description

EDG F - Fixed length resistive safety edges for barriers - H = 27 mm	
806ED-0110	EDGF09R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 900 mm.
806ED-0111	EDGF14R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 1400 mm.
806ED-0112	EDGF19R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 1900 mm.
806ED-0113	EDGF24R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 2400 mm.
806ED-0114	EDGF30R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 3000 mm.
806ED-0115	EDGF35R1 - Resistive safety edge, rubber with profile dimensions 17 mm x 27 mm. L = 3500 mm.
Extensions for fixed length resistive safety edges EDG F for barriers - H = 27 mm	
806ED-0120	EDGF09S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 900 mm.
806ED-0121	EDGF14S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 1400 mm.
806ED-0122	EDGF19S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 1900 mm.
806ED-0123	EDGF24S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 2400 mm.
806ED-0124	EDGF30S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 3000 mm.
806ED-0125	EDGF35S2 - Serial safety sensitive edge, rubber with profile dimensions 17 mm x 27 mm. L = 3500 mm.

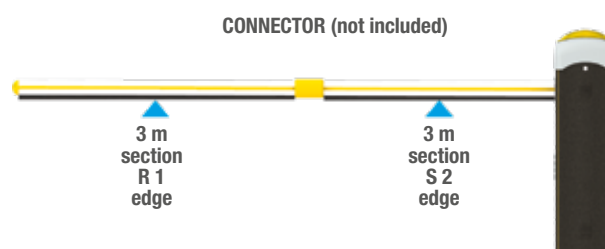


Articulated barrier arm



ATTENTION:
It is always mandatory to adjust the balancing when adding sensitive safety edges.

Barrier arm in two parts



RIO System 2.0

Wireless security system



24 V



RIO SYSTEM 2.0



WIRELESS

Total safety today is also cordless

- Save on fitting times compared to traditional installations.
- No digging or masonry work required.
- No cables to lay.
- Elegant, low-key design.
- Compatible with any control panel.
- Total safety in compliance with European standards.
- Immediately brings your systems up to code, even if they are non compliant.
- Reduced consumption.
- Malfunction and low-battery alerts.



Dimensions (mm)



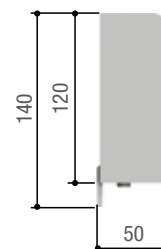
806SS-0030



806SS-0010
806SS-0020



806SS-0050



Operational limits

MODELS	806SS-0010	806SS-0020	806SS-0030	806SS-0050	806SS-0040
Max. range of radio (m)	30	30	30	30	30
Max range of infrared beam (m)	10 (TX - RX)	-	-	-	-

Technical characteristics

MODELS	806SS-0010	806SS-0020	806SS-0030	806SS-0050	806SS-0040
Protection rating (IP)	54	54	54	55	-
Power supply (V)	3	3	3	24 AC - DC	5
Radio signal frequency (Mhz)	868,95	868,95	868,95	868,95	868,95
Battery type	2 CR123A Lithium	1 CR123A Lithium	2 CR123A Lithium	-	-
Battery capacity (mAh)	1700	1700	1700	-	-
Max. rating of 24 V (A) relay contacts	-	-	-	1	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS - Polycarbonate	ABS - Polycarbonate	ABS - Polycarbonate	ABS - Polycarbonate	-

● 24 V DC

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

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

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



Wireless modules	
------------------	--

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



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

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



Surface-mounted wireless control modules	
--	--

806SS-0050	RIOCT8WS - External radio-control module for managing wireless accessories.
-------------------	---



Wireless plug-in control modules for operators set up for RIO System 2.0 technology	
---	--

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



Accessories for: 806SS-0010	
-----------------------------	--

001 DB-L	Anodized aluminum with natural finish post. H = 500 mm.
-----------------	--

001 DB-LN	Black anodized aluminum post. H = 500 mm.
------------------	--

001 DB-CG	Silver RAL9006, PVC post. H = 500 mm.
------------------	--



Accessories for: 806SS-0030	
-----------------------------	--

001 KIAROS	Wall-fastening base.
-------------------	----------------------



Analytical index

Code	Pg.	Code	Pg.	Code	Pg.
001A3000	83	001E782A	123	001G6500	160
001A3000A	83	001E783	123	001G6501	160
001A3024N	83	001E784	123	001H001	193
001A4364	102	001E785A	123	001H3000	48
001A4365	102	001E786A	123	001H3001	193
001A4366	102	001E787A	123	001H40230120	193
001A4370	102	001EM4001	123	001H40230180	193
001A4801	105	001EM4024	123	001H41230120	193
001A5000	83	001EM4024CB	123	001H41230180	193
001A5000A	83	001F4004	187	001KIAROS	223
001A5024N	83	001F40230E	187	001KLED	223
001AF43S	209	001F4024E	187	001KLED24	223
001AF43SR	209	001F4024EP	187	001KR001	85
001AF43TW	209	001FA70230	95	001KR300D	85
001AF868	209	001FA70230CB	95	001KR300S	85
001AF86SR	209	001FA7024	95	001KR302D	85
001ARK1	173	001FA7024CB	95	001KR302S	85
001ARK2	173	001FE40230	99	001KR310D	85
001AX302304	81	001FE40230V	99	001KR310S	85
001AX3024	81	001FE4024	99	001KR312D	85
001AX312304	81	001FE4024V	99	001KR312S	85
001AX402306	81	001FERNI-BDX	99	001KR510D	85
001AX412306	81	001FERNI-BSX	99	001KR510S	85
001AX5024	81	001FL-180	102	001KR512D	85
001AX71230	81	001FROG-A	101	001KR512S	85
001B4337	51	001FROG-A24	101	001LBF70	96
001B4353	54	001FROG-A24E	101	001LOCK81	74
001BY-3500T	61	001FROG-AE	101	001LOCK82	74
001C002	187	001FROG-AV	101	001PSRT01	138
001C003	191	001FROG-CD	107	001R001	51
001C004	191	001FROG-CFN	102	001R700	48
001C005	191	001FROG-CFNI	102	001R800	45
001C006	191	001FROG-CS	107	001RE432M	209
001C007	191	001FROG-MD	107	001RE862M	209
001C008	191	001FROG-MS	107	001RGP1	45
001C009	191	001FROG-PC	105	001RSDN001	48
001C011	191	001FROG-PM4	105	001RSDN002	48
001CAR-2	175	001FROG-PM6	105	001RSDN003	48
001CAR-4	175	001G0121	171	001RSWN001	77
001CAT-15	175	001G02040	153	001STYLO-BD	87
001CAT-5	175	001G0251	157	001STYLO-BS	87
001CAT-I	175	001G0257	157	001STYLO-ME	87
001CAT-X	175	001G02802	138	001STYLO-RME	87
001CAT-X24	175	001G02807	139	001TMF6W	237
001C-BX	189	001G02809	139	001TMF6WN	237
001C-BXK	189	001G028401	161	001TMFW	237
001C-BXT	190	001G028402	161	001TMFWN	237
001CMS	187	001G03250	167	001TOP-A433N	209
001CSS	225	001G03250K	167	001TOP-A862N	209
001CSSN	225	001G03750	158	001TOP-RG58	209
001D001	83	001G0401	162	001TST01	229
001DB-CG	243	001G0402	158	001UNIP	173
001DB-L	243	001G0403	162	001V005	119
001DB-LN	243	001G0405	162	001V06001	121
001DELTA-B	217	001G04060	153	001V06002	121
001DELTA-BN	217	001G0460	162	001V06003	121
001DFI	237	001G04601	158	001V06005	121
001DFWN1500	237	001G0461	157	001V06006	121
001DFWN1500N	237	001G0462	162	001V06007	121
001DFWN1700	237	001G0463	162	001V0679	119
001DFWN1700N	237	001G0465	158	001V0682	119
001DFWN2000	237	001G0467	162	001V0683	119
001DFWN2000N	237	001G0468	158	001V0684	119
001DFWN2500	237	001G0502	169	001V0685	119
001DFWN2500N	237	001G05350	169	001V0686	119
001DIR10	219	001G0601	163	001V0687	119
001DIR20	219	001G0602	160	001V0688	119
001DIR30	219	001G0603	163	001V121	119
001DIR-CG	215	001G0605	163	001V122	119
001DIR-CGP	215	001G06080	153	001V201	119
001DIR-L	215	001G06850	160	002LB22	173
001DIR-LN	215	001G12000K	171	002LB38	171
001DIR-P	215	001G1325	171	002LB39	159
001DIR-PN	215	001G2500	157	002LBEM40	123
001DIR-S	215	001G3250	167	002RLB	45
001DIRZ	219	001G3750	158	002RSE	48
001DOC-L	217	001G3751	158	002ZA3P	73
001DOC-LN	217	001G4000	162	002ZC3	189
001DOC-R	217	001G4001	162	002ZC3C	189
001E001	123	001G5000	169	002ZL60	77
001E002	123	001G6000	163	002ZL65	73
001E781A	123	001G6001	163	002ZM3E	73

Code	Pg.	Code	Pg.	Code	Pg.
002ZM3EC	187	803BB-0250	143	806LA-0010	221
002ZM3EP	105	803BB-0260	137	806LA-0020	221
002ZM3ES	107	803BB-0270	143	806LA-0030	221
002ZT6	53	803BB-0280	137	806LA-0040	221
002ZT6C	53	803BB-0290	143	806LA-0050	221
009CCT	51	803BB-0330	149	806RV-0010	209
009CGIU	51	803XA-0010	149	806RV-0020	209
009CGZ	45	803XA-0020	139	806SA-0010	235
009CGZ6	54	803XA-0040	150	806SA-0020	235
009CGZP	45	803XA-0050	149	806SA-0040	235
009CGZS	45	803XA-0051	149	806SA-0050	235
009DOC-S	217	803XA-0070	149	806SA-0080	150
009PCT	229	803XA-0080	149	806SA-0090	58
009RV117H	237	803XA-0140	153	806SA-0100	154
009RV118A	237	803XA-0150	139	806SA-0120	58
009RV118I	237	803XA-0160	139	806SA-0130	235
009RV118M	237	803XA-0170	154	806SA-0140	221
009RV118N	237	803XA-0180	150	806SA-0150	221
009SMA	140	803XA-0190	139	806SL-0010	225
009SMA2	140	803XA-0200	153	806SL-0020	225
009SMA220	228	803XA-0220	167	806SL-0050	225
801MB-0050	89	803XA-0230	161	806SL-0051	225
801MB-0070	91	803XA-0240	144	806SL-0060	225
801MB-0080	89	803XA-0250	144	806SL-0061	225
801MB-0090	95	803XA-0260	153	806SL-0090	225
801MB-0100	95	803XA-0270	138	806SL-0100	225
801MB-0110	91	803XA-0280	138	806SL-0170	227
801MB-0120	91	803XA-0290	140	806SL-0180	227
801MP-0020	77	803XA-0300	138	806SL-0210	227
801MP-0030	79	803XA-0310	139	806SL-0240	227
801MP-0040	79	803XA-0320	139	806SL-0250	227
801MP-0050	73	803XA-0330	139	806SL-0260	227
801MP-0060	73	803XA-0340	139	806SL-0270	229
801MP-0070	73	803XA-0350	139	806SL-0280	227
801MP-0080	73	803XA-0360	139	806SL-0290	227
801MP-0090	73	803XA-0370	146	806SL-0300	227
801MP-0100	73	803XA-0380	144	806SL-0310	227
801MP-0110	73	803XA-0390	145	806SL-0370	227
801MS-0020	51	803XA-0400	144	806SS-0010	243
801MS-0030	51	803XA-0410	144	806SS-0020	243
801MS-0070	53	803XA-0420	144	806SS-0030	243
801MS-0080	53	803XA-0430	144	806SS-0040	243
801MS-0090	53	803XA-0440	139	806SS-0050	243
801MS-0100	53	803XA-0450	139	806SS-0060	237
801MS-0120	53	803XC-0010	161	806TF-0030	215
801MS-0130	53	803XC-0020	138	806TF-0040	215
801MS-0140	45	806ED-0110	241	806TF-0050	215
801MS-0150	47	806ED-0111	241	806TF-0060	215
801MS-0160	47	806ED-0112	241	806TF-0070	217
801MS-0180	47	806ED-0113	241	806TF-0080	217
801MS-0190	47	806ED-0114	241	806TF-0090	217
801MS-0210	47	806ED-0115	241	806TF-0100	217
801MS-0230	47	806ED-0120	241	806TF-0110	215
801MS-0250	47	806ED-0121	241	806TS-0230	209
801MS-0300	57	806ED-0122	241	806TS-0240	209
801MS-0310	57	806ED-0123	241	806TS-0250	209
801MS-0320	57	806ED-0124	241	806TS-0270	211
801MS-0350	57	806ED-0125	241	806TS-0290	211
801MS-0360	57	806ED-0130	239	806TS-0300	211
801MS-0370	57	806ED-0131	239	806TS-0310	211
801MS-0520	57	806ED-0132	239	806TS-0330	211
801MS-0570	47	806ED-0133	239	806XG-0020	209
801MS-0580	47	806ED-0140	239	806XG-0030	140
801MS-0590	47	806ED-0141	239	806XG-0040	140
801MV-0010	119	806ED-0142	239	806XG-0050	140
801MV-0020	119	806ED-0143	239	806XG-0060	191
801MV-0050	121	806ED-0150	239	806XG-0070	191
801MV-0060	121	806ED-0151	239	809QA-0010	193
801QA-0030	173	806ED-0152	239	818XG-0019	140
801QA-0050	73	806ED-0153	239	842EC-0020	235
801QA-0060	73	806ED-0160	240	8K06SL-004	225
801XC-0010	119	806ED-0161	240	8K06SL-005	225
801XC-0070	89	806ED-0162	240		
801XC-0100	51	806ED-0163	240		
801XC-0110	173	806ED-0164	240		
801XC-0120	58	806ED-0165	240		
801XC-0130	58	806ED-0166	240		
801XC-0150	191	806ED-0167	240		
803BB-0120	153	806ED-0168	240		
803BB-0160	137	806ED-0169	240		
803BB-0180	143	806ED-0170	240		
803BB-0240	137	806ED-0171	240		

CAME 



CORPORATE HEADQUARTERS

CAME S.p.A.

Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

MANUFACTURING COMPANIES

CAME BLINDS TECHNOLOGY S.r.l.

Brescia, ITALY

CAME GO S.r.l.

Pordenone, ITALY

CAME PARKARE GROUP S.L.

Barcelona, SPAIN

CAME URBACO S.A.

Entraigues sur la Sorgue, FRANCE

ENTROTEC Limited

Livingston, UK

KEY MANAGEMENT SYSTEMS

Limited

Buckinghamshire, UK

NEPOS SISTEMAS DE CONTROLE E AUTOMAÇÃO EM ESTACIONAMENTO E TRÁFEGO LTDA

São Paulo, BRAZIL

ÖZAK GEÇİŞ TEKNOLOJİLERİ

SAN. TIC. A.Ş.

Kocaeli, TURKEY

COMMERCIAL BRANCHES EUROPE

ITALY

CAME ITALIA S.r.l.
Treviso

BELGIUM

CAME BENELUX S.A.
Lessines

CROATIA

CAME ADRIATIC d.o.o.
Kastav

FRANCE

CAME FRANCE S.A.S.
Paris

GERMANY

CAME DEUTSCHLAND GmbH
Stuttgart

IRELAND

CAME BPT IRELAND LIMITED
Dublin

THE NETHERLANDS

CAME NEDERLAND B.V.
Breda

POLAND

CAME POLAND Sp. z o.o.
Warszawa

PORTUGAL

CAME PORTUGAL,
UNIPessoal, LDA
Lisbon

RUSSIA

UMC RUS LLC
Moscow

SPAIN

CAME SPAIN S.A.
Madrid

THE UNITED KINGDOM

CAME BPT UK LIMITED
Nottingham

COMMERCIAL BRANCHES ASIA

INDIA

CAME INDIA AUTOMATION
SOLUTIONS Pvt. Ltd.
New Delhi

U.A.E.

CAME GULF FZCO
Dubai

COMMERCIAL BRANCHES AMERICAS

BRAZIL

CAME DO BRASIL, INDÚSTRIA,
IMPORTAÇÃO, EXPORTAÇÃO,
COMÉRCIO E SERVIÇOS DE
AUTOMAÇÃO LTDA
São Paulo

CHILE

CAME PARKARE CHILE S.p.A.
Santiago

MEXICO

CAME AUTOMATISMOS &
DE MEXICO S. DE R.L. DE C.V.
Mexico City

PERÚ

CAME PARKARE PERU S.A.C.
Lima

USA

CAME AMERICAS AUTOMATION LLC
Miami, FL



© CAME SPA - KACENAU022 - 2022 FEBRUARY - EN
CAME RESERVES THE RIGHT TO MAKE ANY CHANGES TO THIS DOCUMENT AT ANY TIME.
YOU MAY NOT EVEN PARTIALLY REPRODUCE THIS DOCUMENT.



CAME S.p.A.
has the following Quality, Environmental
and Safety certifications:
ISO 9001
ISO 14001
ISO 45001

