

CAME 
MORE THAN TECHNOLOGY

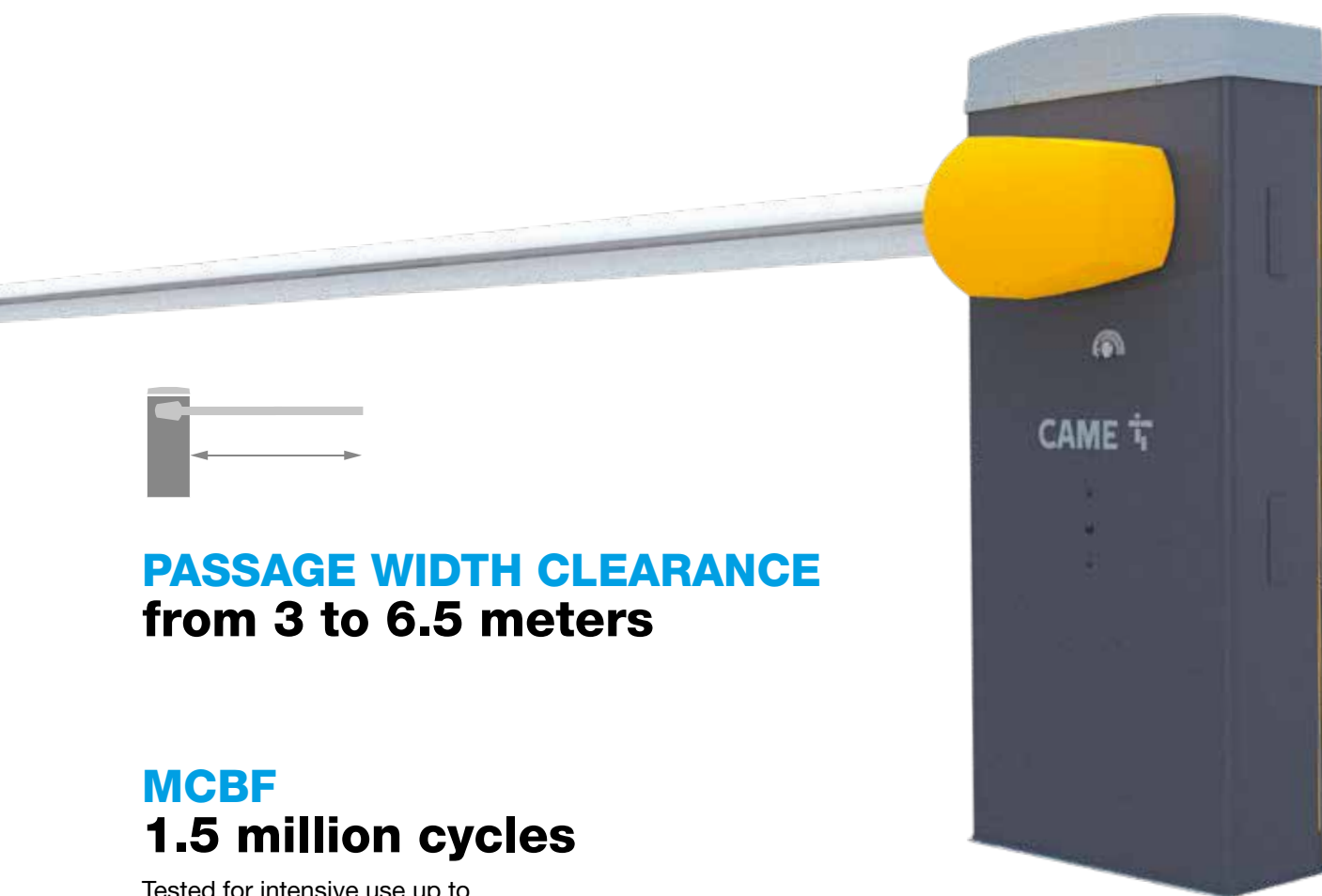
MORE THAN
50⁺
YEARS



GARD LS6

Performance meets design.
For passages up to 6.5 m.

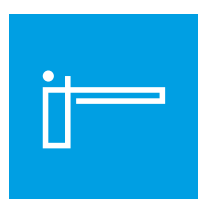




PASSAGE WIDTH CLEARANCE
from **3 to 6.5 meters**

MCBF
1.5 million cycles

Tested for intensive use up to
160 CYCLES/hour.



GARD LS6

CHARACTERISTICS

RELIABLE

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

FAST AND EFFICIENT

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

ADVANCED ELECTRONICS

developed using CONNECT technology and compatible with MODBUS protocol.

CIRCULAR SECTION BOOM

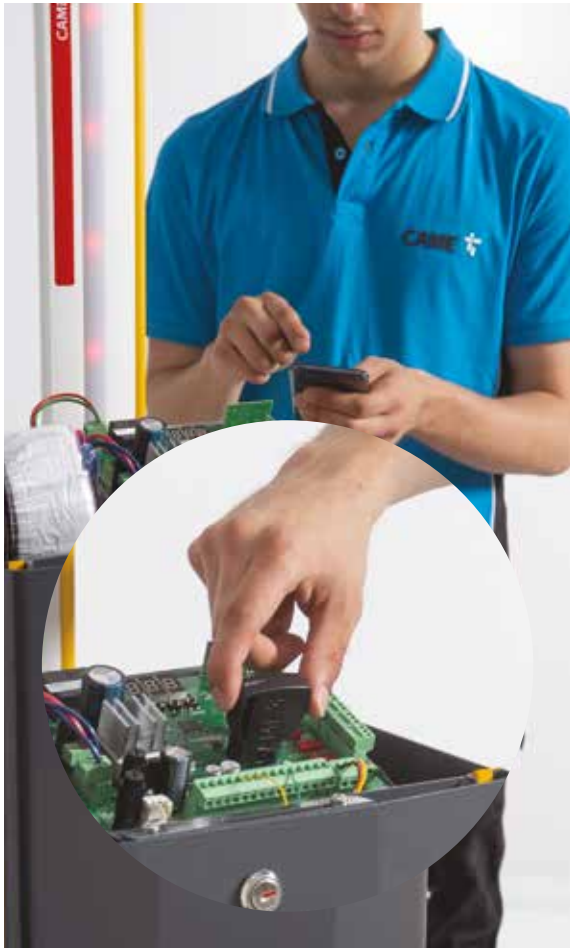
predisposed for installation of light signals.

SAFE

Compliant with standard EN 12453, easily passes impact tests.

CUSTOMIZED FINISH

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



CONTROL BOARD ZL392-C

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 total safety.

The GARD LS6 advanced electronic board, protected by an ABS cover, allows the installer to manage all settings via the graphic display or by using the CONNECT SetUp App for smartphones or tablets.

By simply plugging the CAME KEY wireless interface into the dedicated slot, configurations and adjustments can be managed quickly and easily.

COLOR ON REQUEST

GARD LS6 has been developed for use on medium and large access gates. The elegantly designed cabinet is designed for the integration of safety accessories. Standard in RAL 7024 finish, it can be painted in any RAL color on request.

ADVANCED SPEED CONTROL

The modern 24 V DC gearmotor fitted with Encoder, allows advanced management of boom speed. Thanks to this innovative function, the movement of the boom is smooth and constant both when opening and closing, without compromising the integrity of the mechanical system and boom.

The control board continuously analyses the forces acting on the boom, adjusting the speed according to the parameters measured, guaranteeing durability and reliability in all climatic conditions.



CONTROL BOARD

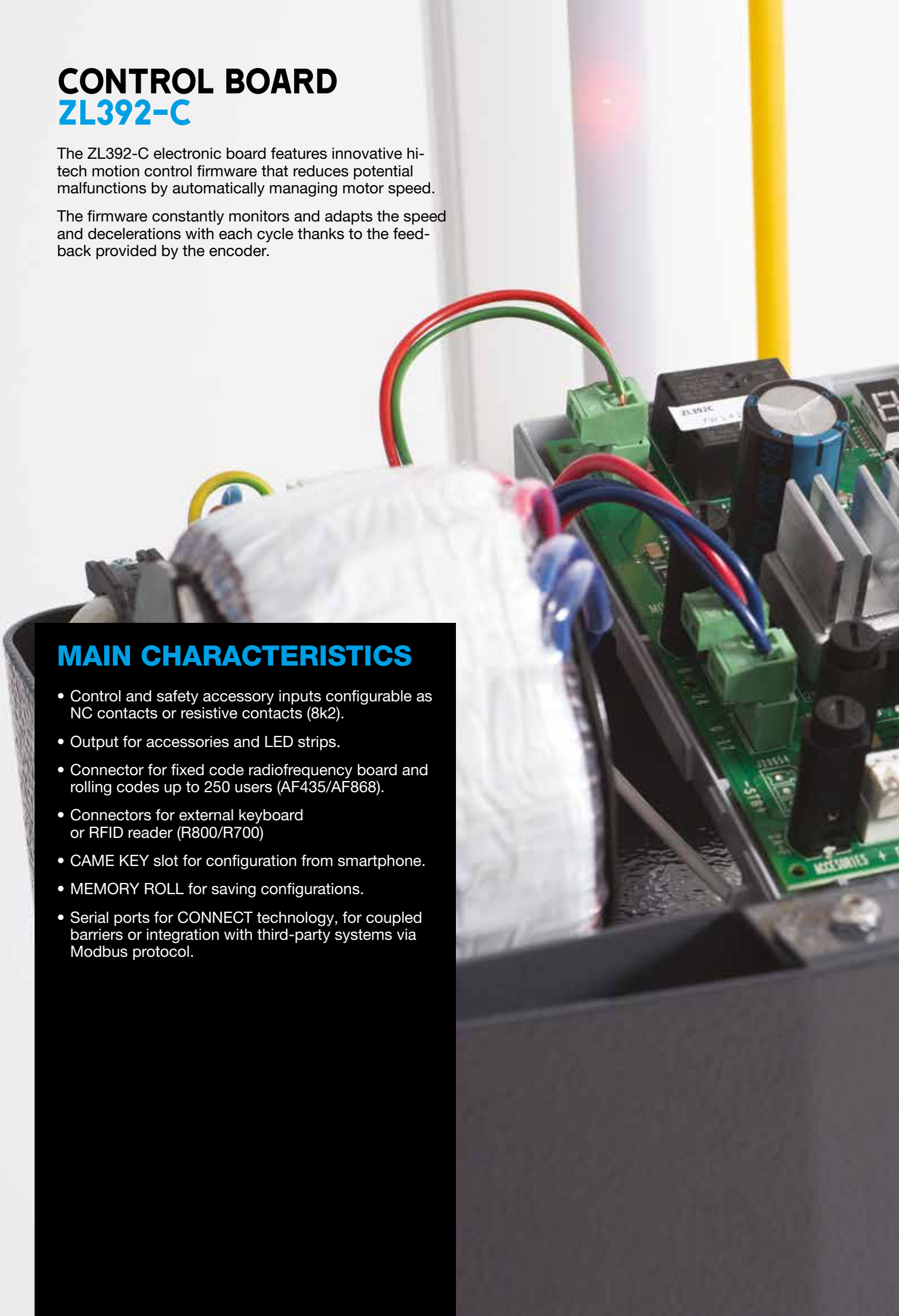
ZL392-C

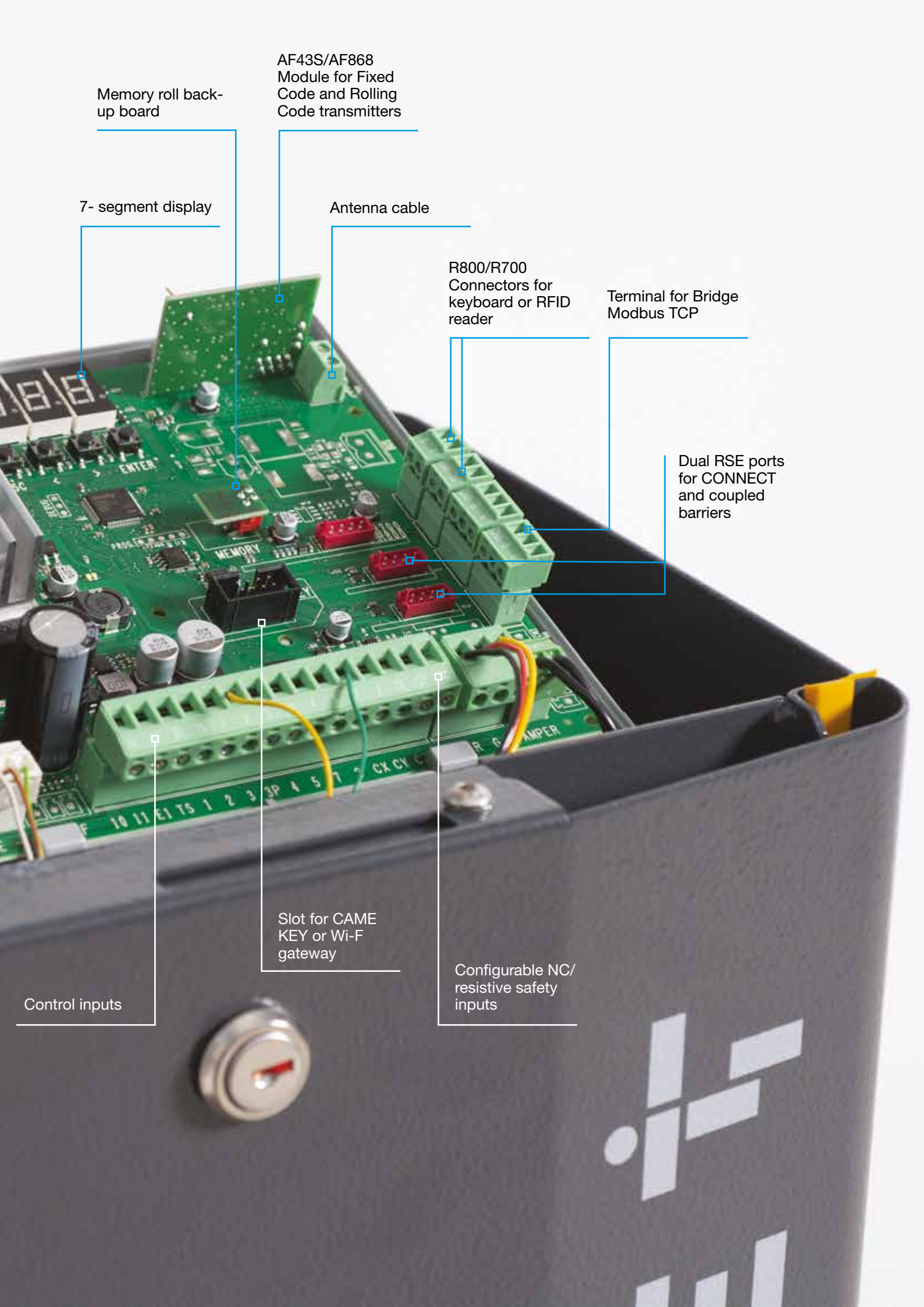
The ZL392-C electronic board features innovative hi-tech motion control firmware that reduces potential malfunctions by automatically managing motor speed.

The firmware constantly monitors and adapts the speed and decelerations with each cycle thanks to the feedback provided by the encoder.

MAIN CHARACTERISTICS

- Control and safety accessory inputs configurable as NC contacts or resistive contacts (8k2).
- Output for accessories and LED strips.
- Connector for fixed code radiofrequency board and rolling codes up to 250 users (AF435/AF868).
- Connectors for external keyboard or RFID reader (R800/R700)
- CAME KEY slot for configuration from smartphone.
- MEMORY ROLL for saving configurations.
- Serial ports for CONNECT technology, for coupled barriers or integration with third-party systems via Modbus protocol.





Memory roll back-up board

AF43S/AF868
Module for Fixed
Code and Rolling
Code transmitters

7- segment display

Antenna cable

R800/R700
Connectors for
keyboard or RFID
reader

Terminal for Bridge
Modbus TCP

Dual RSE ports
for CONNECT
and coupled
barriers

Slot for CAME
KEY or Wi-F
gateway

Configurable NC/
resistive safety
inputs

Control inputs

BATTERY-POWERED EMERGENCY SYSTEM

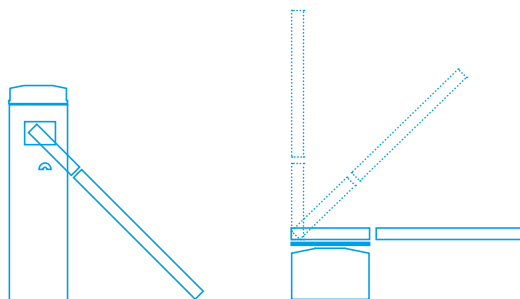
In the event of a blackout or in any emergency situation where an electrical problem occurs, GARD LS6 is able to operate in complete safety thanks to an auxiliary battery power supply system (optional).

During normal operation with mains power supply, the system keeps the batteries fully charged in order to guarantee maximum reliability as soon as an emergency occurs.



SAFETY BOOM RELEASE SYSTEM

CAME has developed a special system that minimizes damage in case of impact with the boom. A solid steel device allows the boom to disengage in case of breakage and to settle in a safe position, eliminating repair costs and long recovery times.



FOLDING SKIRT

The aluminum folding skirt is available in 1720 mm modules, with a rubber shockproof cap and two coupling braces.



ACCESSORIES AND INTEGRATED PHOTOCELLS

The photocells and control accessories can be installed directly on the barrier structure.

In addition, the advanced electronic board of GARD LS6 can also handle CAT.2 safety systems.



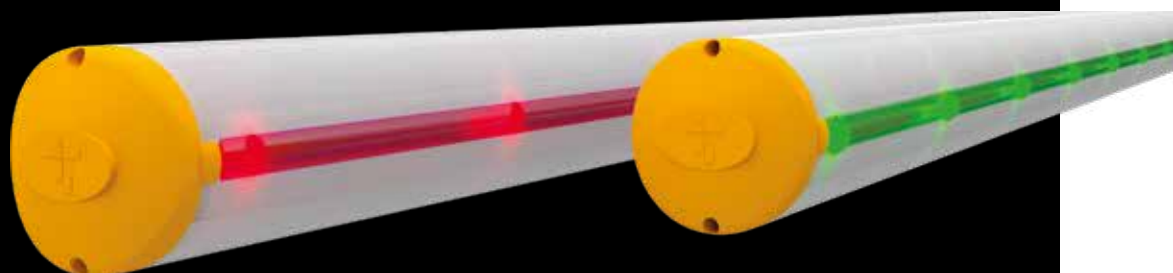
DOUBLE SPRING BALANCING

The CAME R&D department has developed a practical variable balancing system, which allows using two springs connected to the balancing lever at different predefined points.

It is therefore no longer necessary to have specific springs for the different boom lengths, but it is sufficient to operate on the hooking system.

BOOM WITH SIGNALING LIGHTS

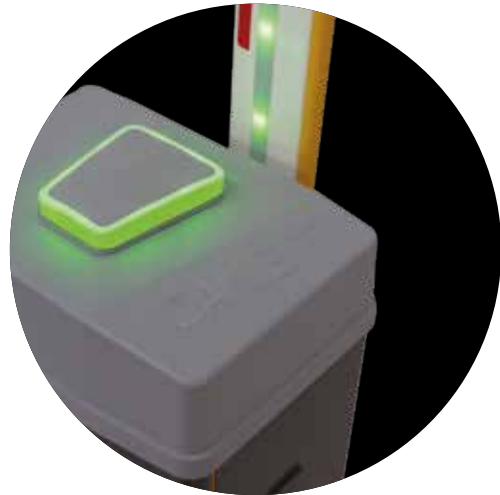
GARD LS6 barriers are equipped with a painted aluminum boom with a circular cross-section. In addition to excellent strength characteristics, the boom is predisposed for installation of the LED strip lighting system signaling the movement and position of the barrier. The control panel is able to control the color and the flashing so as to guarantee not only perfect visibility, but also the traffic light function that indicates free or closed passage.



KLT FLASHING LIGHT

The new KLT flashing light has been developed to add a further safety feature to the GARD LS6 barrier. The streamlined shape perfectly matches the lines of the top cover of the barrier. Combined with the RG LED strips on the boom, KLT becomes the perfect solution for any context where access needs to be regulated through the traffic light function.

However, KLT can also be used as a standard single-color flashing light.

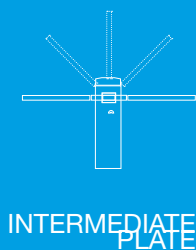


IMMEDIATE START-UP

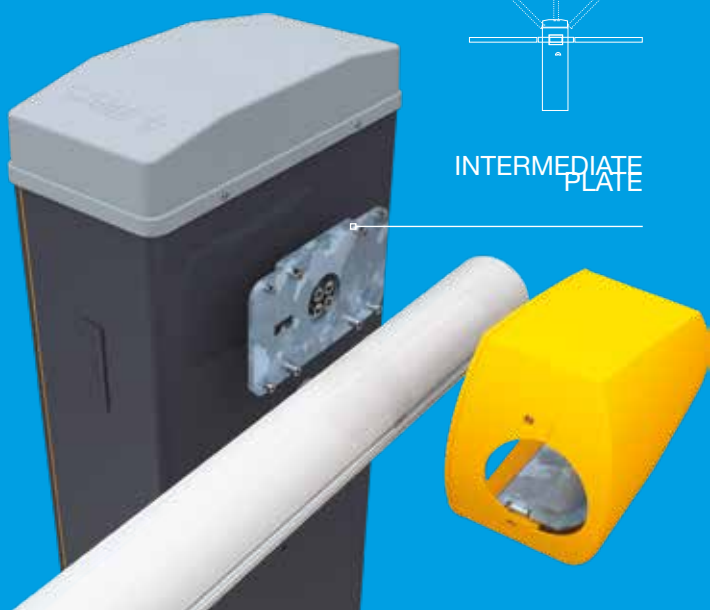
Thanks to the dedicated intermediate plate, GARD LS6 allows the installer to easily reverse the opening direction, even after having already installed the barrier, without the need to disassemble the various components.

Start-up in 3 easy steps !

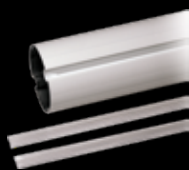
- 1 - Choose the opening direction
- 2 - Choose the boom length
- 3 - Calibrate the stroke



INTERMEDIATE
PLATE



ACCESSORIES FOR BARRIERS



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



001G02807 - Fixed rest.



803XA-0660 Detachable attachment for Ø 100 mm tube-section boom. After impact, the end of the detached boom rests on the ground.



803XA-0330 Swing rest.



001G02809
Package of 20 adhesive reflective strips.



806LA-0060 KLT1FDSW
- Green, white and red LED flashing light with 24 V AC- DC traffic light signaling.



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



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



803XA-0680 Fastening brace cabinet - skirt.



803XA-0440 Swing rest - skirt support bracket.



803XA-0630 Heating cartridge with thermostat.



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



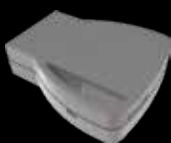
806SA-0110 Wi-Fi interface for automation set-up.



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



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



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



806SA-0160 Input/output board.

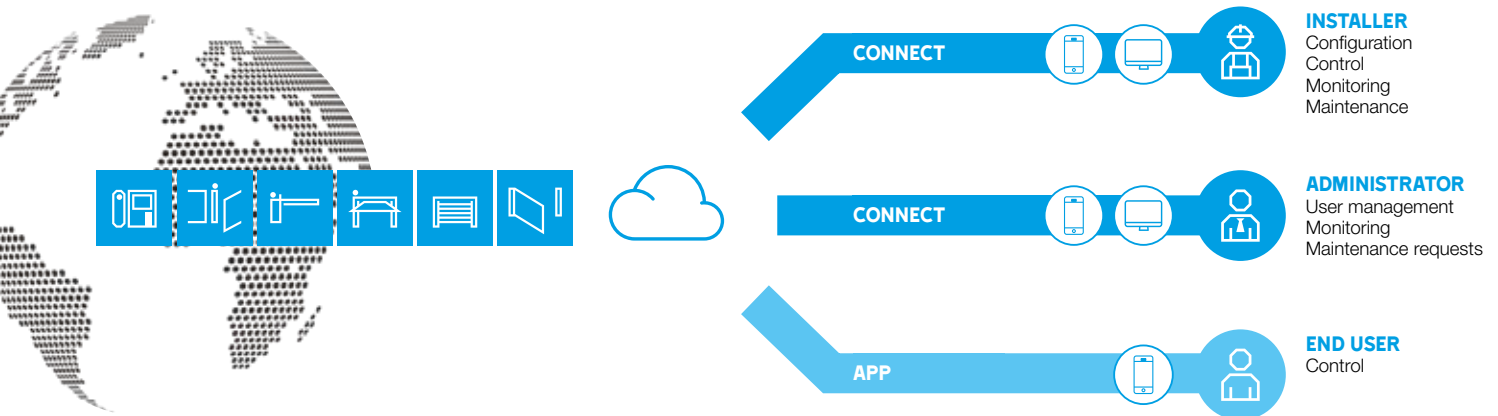


803XA-0300 Auxiliary contacts unit for detecting the boom position.

CONNECT

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

CAME has chosen to develop internally the technologies necessary to manage data flow and protection. No external agency processes the information, no server is located in remote locations around the world. An innovative technological heart, to ensure high security and reliability. CAME has invested in research and development with the aim of simplifying the installer's work, improving user experience and offering new digital services.




CONNECT AT THE INSTALLER'S AND ADMINISTRATOR'S SERVICE

Connected automations can be managed remotely via PC or smartphone. The CONNECT platform enables the automatic programming of transmitters, the management of customers and systems installed, the status of devices and scheduled maintenance. CONNECT allows the installer to offer a complete 24/7 service becoming the trusted partner for his customer.

CONNECT AT THE END USER'S SERVICE

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

  **PLATFORM FOR PC**
came.com/connect

  **SMARTPHONE APPS**
Connect SetUp

  **SMARTPHONE APPS**
CAME Automation

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

CAME KEY

CAME.COM

YOUR NEW WORK TOOL

CAME KEY makes all automation installation, programming and management steps easier and faster.

By exploiting the WiFi communication between CAME KEY and smartphones, the device serves as an interface between the control board and the CAME SetUp APP.

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



The CONNECT SetUp app is available at:



QUALITY FOR CAME

IS THE GUIDING PRINCIPLE OF EVERYTHING.

GARD LS6 is completely made in Italy and, like all CAME automation solutions, is the result of our smart production model that includes the digitization of each phase, integrating a complete series of tests on 100% of the products.

- Motor testing
- RPE Electrical safety and grounding
- Safety microswitch testing
- Gearmotor release tests
- Functional test for 60 seconds analyzing all functional parameters every 200 milliseconds
- Control board functional test
- Complete barrier system functional test



Find out more on QUALITY INSIDE
www.came.com/qi

SERVICE



ENGINEERING

TESTING ONE BY ONE



PRODUCTION

DIMENSIONS (mm)



COMPLETE RANGE

CODE	230 V AC barriers with encoder and 24 V DC operator and built-in control panel
803BB-0490	GLS60AGS - Automatic barrier with 24 V DC irreversible operator with encoder; galvanized steel and painted cabinet with prearrangement for accessories. Balancing springs included.
803BB-0510	GLS60ACS - Automatic barrier with 24 V DC irreversible operator with encoder; galvanized steel cabinet with customized RAL painting and prearrangement for accessories. Balancing springs included.
803BB-0520	GLS60AX4 - Automatic barrier with 24 V DC irreversible operator with encoder; AISI 304 satin-finish steel cabinet with prearrangement for accessories. Balancing springs included.
CODE	120 V AC barriers with encoder and 24 V DC operator and built-in control panel
803BB-0500	GLS60RGS - Automatic barrier with 24 V DC irreversible operator with encoder; galvanized steel and painted cabinet with prearrangement for accessories. Balancing springs included.

OPERATIONAL LIMITS

MODELS	803BB-0490	803BB-0500	803BB-0510	803BB-0520
Max. net clearance width (m)			6.5	

TECHNICAL FEATURES

MODELS	803BB-0490	803BB-0500	803BB-0510	803BB-0520
Protection rating (IP)			54	
Power supply (V - 50/60Hz)	230 AC	120 AC	230 AC	230 AC
Motor power supply (V)			24 DC	
Max current draw (mA)			0.8	
Stand-by consumption (W)			7	
Power (W)			190	
Torque (Nm)			140	
Opening time at 90° (s)			4 to 6	
Cycles/hour			160	
Operating temperature (°C)			-20 to +55	
RAL color	7024	7024	UPON REQUEST	SATIN-FINISH STAINLESS STEEL
Cabinet material	STEEL	STEEL	STEEL	AISI 304 STAINLESS STEEL

● 24 V DC

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CAME 
MORE THAN TECHNOLOGY

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CAME.COM

We are a leading multinational provider of integrated technology solutions for the automation of residential, public and urban environments, generating smart spaces for people's well-being.

- GATES AUTOMATIONS
- VIDEO ENTRY SYSTEMS
- AUTOMATIONS FOR GARAGES AND INDUSTRIAL DOORS
- AUTOMATIC BARRIERS
- PARKING SYSTEMS
- TURNSTILES AND SPEED GATES
- BOLLARDS AND ROAD BLOCKERS
- HEATING CONTROL
- AUTOMATIC DOORS
- SHUTTER AND BLIND SOLUTIONS

CE