



CBX

OPERATOR FOR SLIDING AND SECTIONAL DOORS.

Sectional doors
up to 8.5 m in height

Sectional doors
up to 11 m high

CAME 

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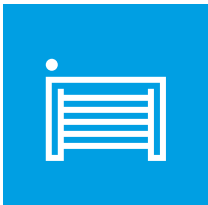


1
Low consumption
LED flashing
light

2
Photocell

THE VERSATILE SOLUTION FOR INDUSTRIAL DOORS.

The CBX operator is especially suited for industrial type doors, up to 11 m (36 ft) in height for sliding doors. The operator can be installed on sectional doors with either direct drive or chain transmission, but also on sliding and folding-sliding doors.



THE BENEFITS OF CAME **CBX**

- A complete range available in 24 V DC, 230 V AC and 230 - 400 V AC triphase versions.
- C-BXK and C-BXEK offer superior torque performance, for moving also very heavy doors with 230 V AC voltage.
- Automation for sliding doors, for folding-sliding doors and also for sectional doors with direct drive transmission.
- The 24 V DC version allows the regulation of travel speed and slowdowns.
- Possibility of manual opening with the convenient winch device.
- Possibility of installation both horizontally and vertically to meet all application requirements.
- Some models are equipped with encoder to manage the electronic control of the door movement.
- Two 230 - 400 V AC three-phase models, also with encoder, to ensure greater thrust.



FUNCTIONALITY AND SAFETY

- Encoder for detecting obstructions and accurate adjustment of slow down points and travel ends (only on models C-BXE - C-BXEK - C-BXE24).
- Functions digital programming viewable on the display.
- Serial input for connecting to CAME access control systems.
- Manages opening and closing slow downs (adjustable).
- Programming of differentiated command (for example: opening with automatic command/closing with maintained action command).
- Complete self-diagnostics of all safety devices fitted to the system before the gate even activates.
- Safety even with idle motor: each command is cancelled in case an obstruction is detected by the safety devices.
- Integrated user management through the storing of maximum 250 differentiated radio codes.

THE RANGE

The models of the CBX series are available in different versions with a 230 V AC, 24 V DC and 230-400V triphase motors, while offering innovative solutions to manage apartment block and industrial passages.

NO PROBLEMS OF SPACE!

All of the CBX range models can be installed either vertically or horizontally, to meet all application needs.

CBX TECHNOLOGY



GUARANTEED 24 VOLTS

The 24 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.



EN TESTED SAFETY

This operator is tested in conformity with European Standards on impact forces.



230 - 400 V AC TRIPHASE

The 230 - 400 V AC TRIPHASE versions are ideal for industrial use as they guarantee greater gearmotor starting thrust.



ENCODER

Gearmotor with Encoder.

READ UP AT CAME.COM ABOUT THE FULL RANGE OF CAME OPERATORS AND ACCESSORIES



BRUSHLESS BARRIER



AUTOMATIC DOORS BRUSHLESS



SELECTOR BLUETOOTH



PARKING SYSTEMS

CAME is a market leading home, industrial, and special technological projects automation manufacturing company. A full range of household solutions: from operators for gates and garage doors, to shutter and awning winding motors, and even home automation control, to burglar proof and video entry systems. Technology and reliability to serve your business, thanks to solutions designed for powering large industrial doors, automatic doors, street barriers, turnstiles, access control systems and parking facilities.

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CAME AUTOMATED OPERATORS AND ACCESS CONTROL

SLIDING GATE OPERATORS



SWING-GATE OPERATOR



AUTOMATED OPERATORS FOR SECTIONAL AND GARAGE DOORS



AUTOMATIC STREET BARRIERS



INDUSTRIAL DOOR OPERATORS



SHUTTER OPERATORS



AUTOMATIC TURNSTILES AND ACCESS CONTROL



AUTOMATIC PARKING SYSTEMS



ACCESSORIES



COMPLETE SYSTEMS



CUSTOMIZED ELECTRONICS FOR YOUR NEEDS!

CBX is available in the 230 V AC, 24 V DC or special triphase 230 - 400 V AC version.

The table below shows the main characteristics of the control panel that can be matched to the gearmotors.






CONTROL BOARD / CONTROL PANEL	C-BX C-BXK	C-BXE C-BXEK	C-BXE24 ZL80 ZL80C	C-BXET ZT5 ZT5C	C-BXT ZT6 ZT6C	C-BX C-BXK ZM3EC **
	ZC3 ZC3C	ZCX10	ZL80 ZL80C	ZT5 ZT5C	ZT6 ZT6C	ZM3EC **
SECURITY						
SELF-DIAGNOSING safety devices	■	■	■	■	■	■
PREFLASHING while opening or closing	■	■	■	■	■	■
REOPEN while closing	■	■	■	■	■	■
RECLOSE while opening	■	■	■	■	■	■
Obstruction WAIT		■	■	■		■
TOTAL STOP	■	■	■	■	■	■
PARTIAL STOP	■	■	■	■	■	■
OBSTRUCTION DETECTED in front of photocells	■	■	■	■	■	■
ENCODER		■	■	■		■
MOTION CONTROL and OBSTACLE DETECTION device						
AMPEROMETRIC DETECTION		■	■	■		
COMMAND						
PEDESTRIAN OPENING one gate leaf						■
PARTIAL OPENING one gate leaf	■	■	■	■	■	■
OPEN ONLY from transmitter and/or button	■	■	■	■	■	■
OPEN ONLY or CLOSE ONLY button connection	■	■	■	■	■	■
OPEN-STOP-CLOSE-STOP from transmitter and/or from button	■	■	■	■	■	■
OPEN-CLOSE-INVERSION from transmitter and/or from button	■	■	■	■	■	■
MAINTAINED ACTION	■	■	■	■	■	■
OPENING DELAY 1st leaf						■
CLOSING DELAY 2nd leaf						■
CHARACTERISTICS						
FLASHING LIGHT connection	■	■	■	■	■	■
CYCLE LAMP connection	■	■	■	■	■	■
COURTESY LAMP connection	■	■	■	■	■	■
Antenna	■	■	■	■	■	■
GATE OPEN FLASHING LIGHT connection	■	■	■	■	■	■
WARNING LIGHT CLOSED connection					■	
Contact output for 2nd RADIO CHANNEL	■	■	■	■	■	■
OPERATING TIME adjustment	■	■	■	■		■
SELF-LEARNING of the transmitter's RADIO CODE	■	■	■	■	■	■
ELECTRIC LOCK and/or ANTI RAMMING connection						■
Adjustable AUTOMATIC RECLOSING TIME	■	■	■	■	■	■
OPENING and/or CLOSING slow down		■	■			■
EMERGENCY BATTERY operation (optional)			■			
MASTER-SLAVE		■	■	■	■	
Adjustable TRAVEL and SLOW-DOWN speeds*			■			■
DISPLAY		■	■	■		■
Electronic brake	■	■		■	■	
SELF-LEARNING opening and closing limit-switches						■
CRP control						■

NOTES: * 002 ZM3E - 002ZM3EC, only slow-down speed.

** ZM3EC control panel for applications in combination with 2 swing leaf doors.

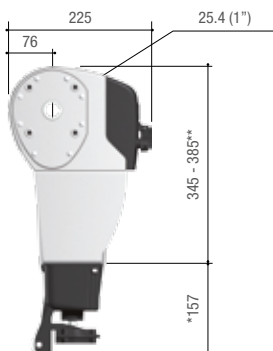
■ 230 V AC ■ 24 V DC ■ 230-400 V AC TRIPHASE

CBX TECHNOLOGY

  		 	
PRODUCTS		PRODUCTS	
C-BXE	■	C-BXT	■
C-BXEK	■	C-BXET	■
ZCX10	■	ZT6	■
C-BXE24	■	ZT6C	■
ZL80	■	ZT5	■
ZL80C	■	ZT5C	■

The table above shows **only** the products associated with the **CAME technologies**. The complete range of products is available in the General Catalog.

DIMENSIONS (MM)



* Accessory
** 001C-BXK - 001C-BXEK

LIMITS TO USE

MODELS	C-BX	C-BXK	C-BXE	C-BXEK	C-BXE24	C-BXT	C-BXET
SECTIONAL WITH DIRECT DRIVE							
Maximum leaf height (m)	5.5	5.5	5.5	5.5	5.5	5.5	5.5
SECTIONAL WITH CHAIN TRANSMISSION							
Maximum leaf height (m)	8.5	8.5	8.5	8.5	8.5	8.5	8.5
SLIDING AND FOLDING-SLIDING DOORS							
Max. leaf width (m)	11	11	5.5	5.5	5.5	11	5.5

■ 230 V AC ■ 24 V DC ■ 230-400 V AC TRIPHASE

TECHNICAL CHARACTERISTICS

MODELS	C-BX	C-BXK	C-BXE	C-BXEK	C-BXE24	C-BXT	C-BXET
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	230-400 V AC TRIPHASE	230-400 V AC TRIPHASE
Motor power supply (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	230-400 V AC TRIPHASE 50/60Hz	230-400 V AC TRIPHASE 50/60Hz
Current draw (A)	2.2	3.6	2.2	3.6	9 Max.	2.5	2.5
Power (W)	450	750	450	750	240	750	780
Crown turns (rpm)	21.5	21.5	21.5	21.5	26.5	21.5	21.5
Intermittence/duty-cycle (%)	30	30	30	30	HEAVY-DUTY SERVICE	50	50
Torque (Nm)	60	120	60	120	25	80	80
Operating temperature (°C)	-20 to +55	-20 to +55	-20 to +55	-20 to +55	-20 to +55	-20 to +55	-20 to +55
Motor thermal protection (°C)	150	150	150	150	-	150	150

■ 230 V AC ■ 24 V DC ■ 230-400 V AC TRIPHASE

APPLICATIONS



Application on folding sliding doors



Application of sliding doors



Application on sectional doors



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UNI EN ISO 9001
UNI EN ISO 14001
BS OHSAS 18001

CAME

CAME S.p.A.
Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

CAME.COM