

SLIDING GATE AUTOMATION



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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-0180	600 / 18
BXV	801MS-0190	600 / 18
BXV	801MS-0380	600 / 18
BX	801MS-0030	800 / 14
BXV	801MS-0210	800 / 20
BK	801MS-0070	800 / 20
BXV	801MS-0230	1000 / 20
BXV	801MS-0250	1000 / 20
BXV	801MS-0390	1000 / 20
BK	801MS-0080	1200 / 20
*BKV	801MS-0300	1500 / 20
*BKV	801MS-0350	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

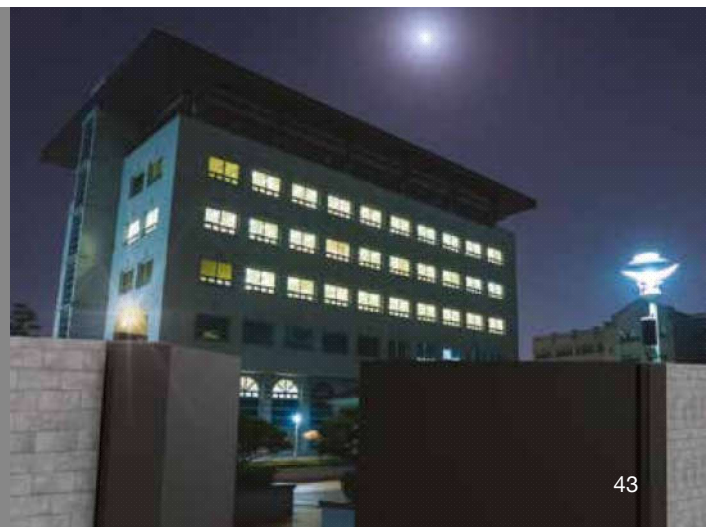
In industrial facilities, where tractor trailers, 18-wheel trucks and forklifts pass through, it is always advisable to fit double-height, infrared beam photocells, to prevent the gate from closing if one of the vehicles stops at the entry/exit point.

The flashing light for movement signaling.

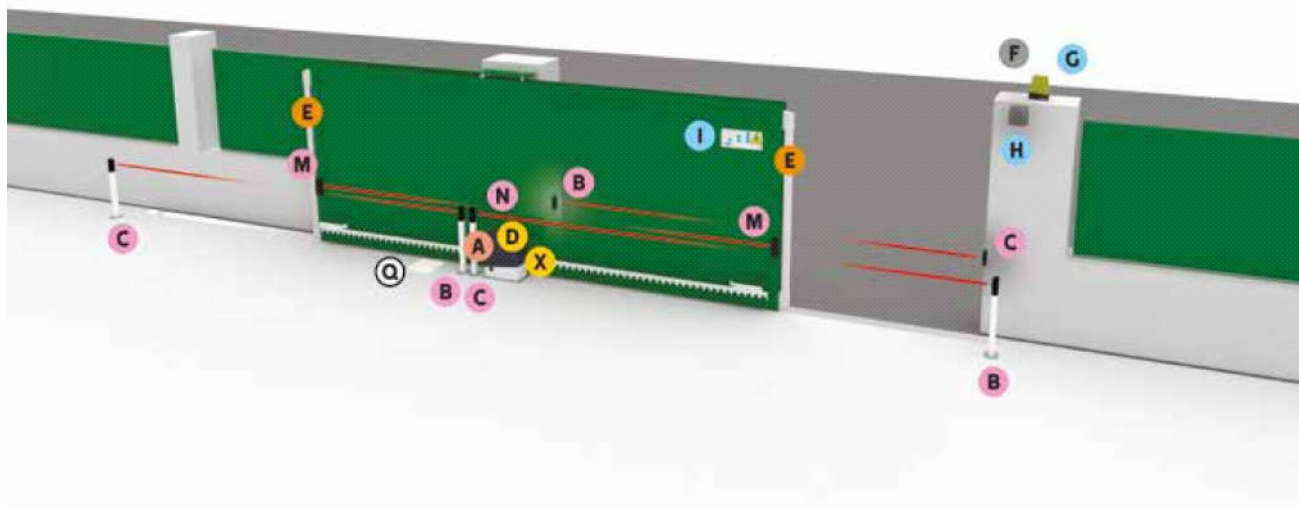
CAME has always suggested installing the flashing light as an additional safety feature for the automation system.

The KRX range combines energy savings and great reliability with ease of 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.



SLIDING GATE



COMPONENTS

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

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.



BKV

EFFICIENT AND ROBUST FOR
LARGE GATES

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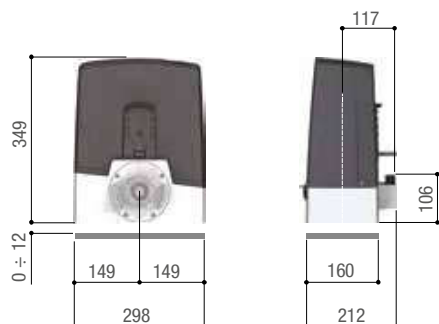




Solution for sliding gates at private homes

- 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.

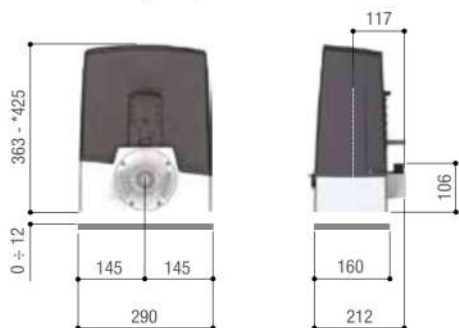
The handy lever releases the gearmotor for manually opening the gate.



Solution for sliding gates at private homes 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)



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-0380	2 x 12 V - 1.3 Ah
801MS-0190	2 x 12 V - 5 Ah	801MS-0390	2 x 12 V - 1.3 Ah
801MS-0210	2 x 12 V - 1.3 Ah		

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

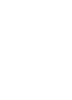
Operational limits

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250	801MS-0380	801MS-0390
Max. length of leaf (m)	14	18	20	20	14	18	20	18	20
Max. weight of leaf (kg)	400	600	800	1000	400	600	1000	600	1000
Pinion module	4	4	4	4	4	4	4	4	4

Technical characteristics

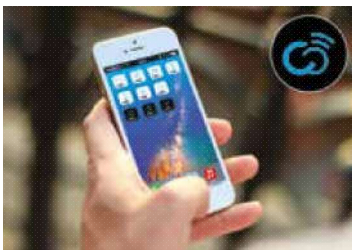
MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160
Protection rating (IP)	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC
Power (W)	170	270	400	400	240
Maneuvering speed (m/min)	12	12	11	11	22
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	350	600	800	1000	250
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
MODELS	801MS-0190	801MS-0250	801MS-0380	801MS-0390	
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	360	270	400	
Maneuvering speed (m/min)	20	20	12	11	
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	
Thrust (N)	330	450	600	1000	
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 - EN 12445	
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 operators with DC 24 V gearmotor and magnetic limit switches, tested according to EN 12453 - EN 12445 standards	
801MS-0380 	BXV06AGM - Operator with 24 V motor, featuring a control board with display, magnetic limit-switches, on-board radio-frequency decoding, movement control and obstruction detection for sliding gates weighing up to 600 kg and measuring 18 m in length. RAL7024-gray cover.
Complete operators with 24 V DC gearmotor and magnetic limit-switches	
801MS-0390 	BXV10AGM - Operator with 24 V motor, featuring a control board with display, magnetic limit-switches, on-board radio-frequency decoding, movement control and obstruction detection for sliding gates weighing up to 1000 kg and measuring 20 m in length. RAL7024-gray cover.



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.
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.



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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 278

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Solution for sliding gates at private homes

- 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)



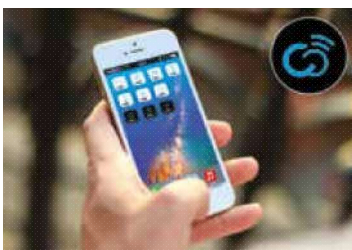
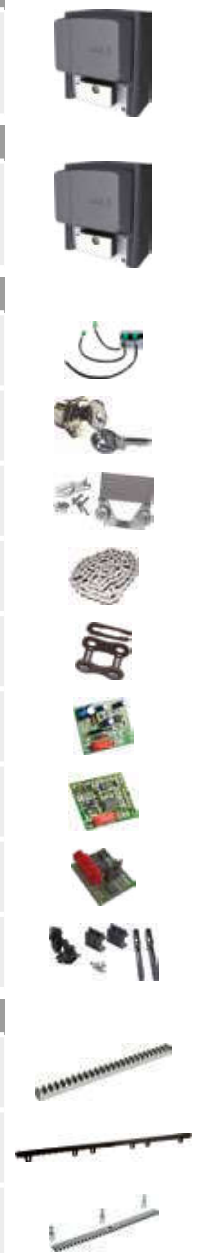
Operational limits

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)	2,7	2,5
Power (W)	560	520
Maneuvering 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	
001 RGP1	Green Power module to disconnect the transformer for energy saving while the operator is not in use.
001 R001	Lock cylinder with DIN key.
001 B4337	Chain drive device.
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 R700	Control board for decoding and access-control management via transponder selector.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
801XC-0100	Magnetic limit-switch system for operators working in critical climatic conditions.
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.



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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)	580	540	660	660	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

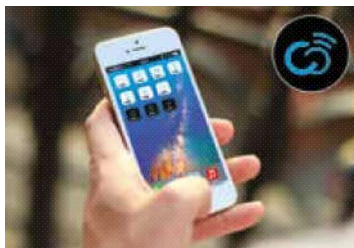
● 230 V AC ● 230 – 400 V AC THREE PHASE

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 with safety stop and buttons, plus self-diagnosing safety-devices.
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.



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SEL

A COMPLETE RANGE
OF SELECTORS TO
SUIT EVERY NEED

FIND OUT MORE ON PAGE 276 - 278

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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 open 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
Max. length of leaf (m)	20	20	20	20	20	20
Max. weight of leaf (kg)	1500	2000	2500	1500	2000	2500
Pinion module	4	4	6	4	4	6

Technical characteristics

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



SMOOTH MOVEMENT AND SWIFTESS IN ANY CONDITIONS

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

THE COMPLETE RANGE

Code	Description
Accessories	
806SA-0090	Circuit board for emergency operation and battery charging.
	
Accessories	
801XC-0120	Chain drive device.
801XC-0130	Adapter plate for first-series BK operators.
001 R001	Lock cylinder with DIN key.
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 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

Up to 3500 kg

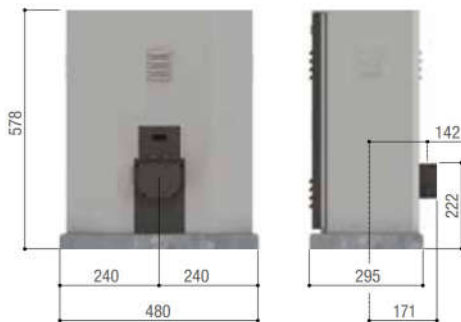


The ideal solutions for sliding gates at industrial sites.

- 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)	230/ 400 V AC THREE PHASE
Power supply to motor (V)	230/ 400 V AC THREE PHASE
Absorption (A)	2
Power (W)	1000
Maneuvering speed (m/min)	10,5
Cycles/Hour	14
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.



Models / Series	BX	BK	BKV	BXL	BXV	BY-3500T BK
Control board / Control panel	ZBX7N	ZBKN	ZN8	ZN6	ZN7	ZT6
Safety						
SELF-DIAGNOSING safety devices	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●
Obstruction WAIT	●	●	●	●	●	●
TOTAL STOP	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●
ENCODER	●	●	●	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●	●	●	●	●	●
AMPEROMETRIC DETECTION			●	●	●	
Command						
PARTIAL OPENING 1 leaf	●	●	●	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●
Characteristics						
FLASHING LIGHT connection	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●
COURTESY LIGHT connection		●	●			
Antenna	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●		●			
Contact output for 2nd RADIO CHANNEL			●			
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●
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 (001RGF1)	●	●	●	●	●	

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

NOTES

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






BXL - 8K01MS-015 KIT

+24



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 10 m

Code	Description	Quantity
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.	1
  		
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	433,92 MHz plug-in radio frequency card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED24	LED flashing light signaller.	1
		



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 14 m







Code	Description	Quantity
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.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 AF43S	433,92 MHz plug-in radio frequency card.	1
001 KLED24	LED flashing light signaller.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KIAROS	Wall-fastening base.	1

BXV - 8K01MS-004 KIT



KITS FOR SLIDING GATES

- Sliding gates up to 600 kg
- Maximum leaf length 18 m

Code	Description	Quantity
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.	1
   		
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 AF43S	433,92 MHz plug-in radio frequency card.	1
001 KLED24	LED flashing light signaller.	1
		
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KIAROS	Wall-fastening base.	1



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 14 m

Code	Description	Quantity
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.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	433,92 MHz plug-in radio frequency card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED	LED flashing light signaller.	1

KIT BX - 001U2314



KITS FOR SLIDING GATES

- Sliding gates up to 800 kg
- Maximum leaf length 14 m

Code	Description	Quantity
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.	1
001 AF43S	433,92 MHz plug-in radio frequency card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED	LED flashing light signaller.	1



x2



KITS FOR SLIDING GATES



- Sliding gates up to 1800 kg
- Maximum leaf length 20 m

Code	Description	Quantity
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.	1
001AF43S	433,92 MHz plug-in radio frequency card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1



KITS FOR SLIDING GATES

- Sliding gates up to 1200 kg
- Maximum leaf length 20 m

Code	Description	Quantity
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.	1
 001AF43S	433,92 MHz plug-in radio frequency card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001DIR10	Pair of 12 - 24 V AC - DC outdoor photocells - range 10 m.	1
 001KLED	LED flashing light signaller.	1