

AUTOMATIONS FOR SLIDING GATES

				UNITS
RESIDENTIAL	KPONY ————up to 400 kg	24 Vdc	KPONY.P	CP.PONY*
	BULL424 ———	24 Vdc	BULL424ESA	CP.B24ESA*
	up to 450 kg	intensive use	KBULL424	CP.B24ESA*
	BULL5 ———— up to 500 kg	230 Vac	BULL5M KBULL5M	CP.CORE* CP.CORE*
	BULL8 ————up to 800 kg	230 Vac	BULL8M BULL8M.S KBULL8M	CP.BULL8-OM* CP.BULL8-OM* CP.BULL8-OM*

| CONTROL



				CONTROL UNITS
COMMERCIAL	BULL624	24 Vdc	BULL624ESA	OD D04E0 A*
USE	up to 600 kg	intensive use	BULL624ESA.S	CP.B24ESA*
				CP.B24ESA*
			BULL624TURBO	CP.B24 TURBO*
			BULL624TURBO.S	CP.B24 TURBO*
			KBULL624	CP.B24ESA*
		l	KBULL624TURBO	CP.B24 TURBO*
	BULL8 ———	230 Vac —	BULL8 OM	CP.BULL8-OM*
	up to 800 kg		BULL8 OM.S	CP.BULL8-OM*
			KBULL8 OM	CP.BULL8-OM*
	BULL10 ———	230 Vac	BULL10M	CP.BULL-RI*
	up to 1,000 kg	200 vac	BULL10M.S	CP.BULL-RI*
		· ·	BOLLIOWI.S	Or.boll-ni
	BULL12 ———	24 Vdc	BULL1224TURBO	CP.B24 TURBO*
	up to 1,200 kg		BULL1224TURBO.S	CP.B24 TURBO*
	BULL15 ———	230 Vac —	BULL15M	CP.BULL-RI*
	up to 1,500 kg		BULL15M.S	CP.BULL-RI*
			KBULL15M.S-HM	CP.BULL-RI*
		24 Vdc	BULL1524	CP.B1524
		intensive use		
		ı	BULL1524.S	CP.B1524
	BULL17 ———— up to 1,700 kg	230 Vac ———	BULL17 OMI	CP.BULL OMI*
			ı	CONTROL
				UNITS
INDUSTRIAL ———	BULL20 ——	230 Vac —	BULL20M	CP.BULL-RI*
USE	up to 2,000 kg		BULL20M.S	CP.BULL-RI*
		230 Vac ————	BULL20 HE	CP.BULL20-HE*
		400 Vac	BULL20T	THINKY START
	l	intensive use	BULL20T.S	THINKY START
	YAK25 up to 2,500 kg	230 Vac three-phase intensive use	YAK25 OTI	CP.YAK OTI*
	BISON25 ————————————————————————————————————	230 Vac three-phase intensive use	BISON25 OTI	CP.BISON OTI*
	BISON35 ———	230 Vac	BISON35 OTI	CP.BISON OTI*
	up to 3,500 kg	three-phase intensive use	BISON35 OTI L	CP.BISON OTI L*
	BISON45 ———— up to 4,500 kg	400 Vac intensive use	BISON45 OTI	CP.BISON OTI*

^{*} Built-in control unit





KPONY





RESIDENTIAL USE

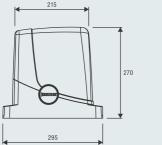
with integrated control unit and receiver

up to 400 kg



24 Vdc | intensive use

- 24 Vdc geared motor with built-in control unit and energy saving ESA SYSTEM
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- The control unit is positioned in such a way as to make programming operations simple, easy and immediate





COMPLETE KITS	MOTOR	PHOTOCELLS	TRANSMITTER
KPONY.P	1x PONY	1x PUPILLA.R	1x TO.GO2VA





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. Package of 2 pcs.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.

Package of 10 pcs.



MLS

Magnetic limit switches. Suitable for snowy places.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



CBY.24V

Battery charger card. The CBY.24V card allows charging two different types of nickel metalidrate and lead batteries



DA.BT2 2.1Ah 12 Vdc Battery.

DA.BT6

7Ah 12 Vdc Battery.



LB

Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	PONY*
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.6 A
Power consumption in stand-by	8 mA
Max Thrust	321 N
Opening speed	10 m/min
Duty cycle	30%
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	400 kg
Driving gear for rack	M4 Z14
Weight	8.1 kg
Version	KIT only
Kit weight	8.5 kg
Kits no. per pallet	40





BULL424ESA



CONTROL UNITS:



RESIDENTIAL USE



control unit with built-in encoder and receiver personalised release key

up to 450 kg



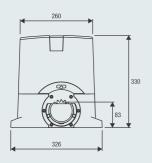


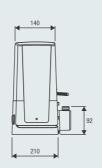
24 Vdc | intensive use

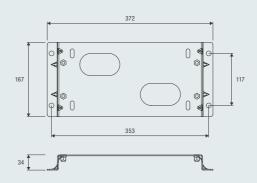
- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- Metal release lever
- Magnetic limit switches accessory available (MLS)



Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBULL424	1x BULL424ESA	1x PUPILLA.R	1x LAMPI24.LED	1× TOKEY	1x TO.GO2VA



RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



MLS

Magnetic limit switches. Suitable for snowy places.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.
Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BULL24.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL424ESA*
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.4 A
Power consumption in stand-by	8 mA
Max Thrust	428 N
Opening speed	6.7÷11 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	450 kg
Driving gear for rack	M4 Z14
Weight	10.4 kg
Items no. per pallet	40
Kit weight	11.1 kg
Kits no. per pallet	40





BULL5M



BULL5M — CP.CORE ■ 149



RESIDENTIAL USE



with integrated control unit and receiver personalised release key

up to 500 kg

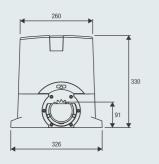


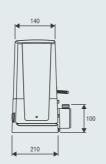
230 Vac

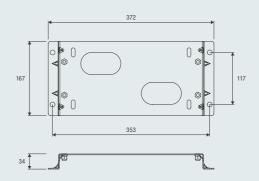
- Electromechanical 230 Vac geared motor with built-in control unit
- Optional encoder connection using MAG.E accessory
- The encoder device ensures crush prevention and precision in the gate moving phases
- Metal release lever
- Magnetic limit switches accessory available (MLS)



Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBULL5M	1x BULL5M	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. Package of 2 pcs.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.



MLS

Magnetic limit switches. Suitable for snowy places.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL5M*
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	1.3 A
Max Thrust	650 N
Opening speed	10.5 m/min
Duty cycle	30%
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	500 kg
Driving gear for rack	M4 Z18
Weight	11.3 kg
Items no. per pallet	40
Kit weight	12.1 kg
Kits no. per pallet	40





BULL624ESA



CONTROL UNITS:



COMMERCIAL USE



control unit with built-in encoder and receiver personalised release key

up to 600 kg



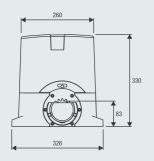


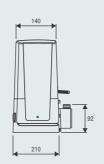
24 Vdc | intensive use

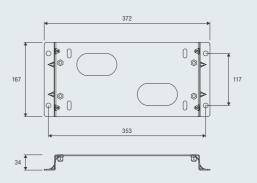
- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- Metal release lever
- Version with magnetic limit switches available (BULL624ESA.S)



Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







COMPLETE	III.	11	EL AQUING LAGUE	÷	
	MOTOR	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBULL624	1x BULL624ESA	1x PUPILLA.R	1x LAMPI24.LED	1x TOKEY	1x TO.GO2VA





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BULL24.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL624ESA*	BULL624ESA.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	0.5 A	0.5 A
Power consumption in stand-by	8 mA	8 mA
Max Thrust	857 N	857 N
Opening speed	5.8÷9.75 m/min	5.8÷9.75 m/min
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z14	M4 Z14
Weight	11.7 kg	11.7 kg
Items no. per pallet	40	40
Kit weight	12.4 kg	
Kits no. per pallet	40	





BULL624 *TURBO*



COMMERCIAL USE



control unit with incorporated receiver and virtual encoder personalised release key built-in battery charger









- Fast 24 VDC geared motor for intensive use with integrated control unit equipped with switching power supply (115/230 VAC) that permits a reduced power use and a long lifespan of the actuator
- The main control unit, on the top part of the motor, makes it
 possible to facilitate the wiring procedure and also to calculate
 the position of the motor starting from the measurement
 of instantaneous speed (virtual encoder)
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with the radio transmitter can be activated at the first installation. Practical cableguides
- Maximum performance and speed (25.5 m/min with 600 kg)
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for connection to the X.BE module to integrate the device into KNX home automation systems
- Convenient compartment for 2 mod. DA.BT2 2.1 Ah batteries
- Metal release lever
- Option to operate opposed sliding gates using the SIS accessory
- Version available with magnetic limit switches (BULL624 TURBO.S)

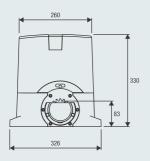


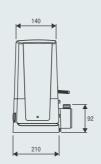
CONTROL UNITS:

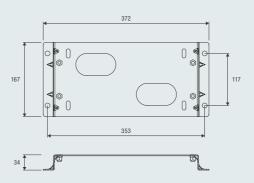




Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBULL624TURBO	1x BULL624TURBO	1x PUPILLA.R	1x LAMPI24.LED	1x TOKEY	1x TO.GO2VA





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BULL624T.CB

Kit comprising 5 cables and 5 brackets for battery installation and operation even in the event of a power failure.



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL624 TURBO	BULL624 TURBO.S
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3 A	3 A
Power consumption in stand-by	8 mA	8 mA
Max Thrust	330 N	330 N
Opening speed	12.5÷25.5 m/min	12.5÷25.5 m/min
Duty cycle	60%*	60%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	10 kg	10 kg
Items no. per pallet	40	40
Kit weight	10.6 kg	
Kits no. per pallet	40	





BULL8M



RESIDENTIAL USE

control unit with built-in encoder and receiver personalised release key

up to 800 kg



CONTROL UNITS:

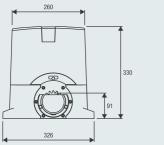


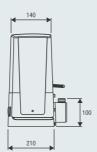
230 Vac

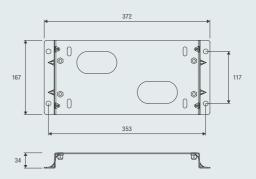
- Electromechanical 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Metal release lever
- Version with magnetic limit switches available (BULL8M.S)



Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBULL8M	1x BULL8M	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL8M*	BULL8M.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
	·	, ,
Motor supply	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A
Max Thrust	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min
Duty cycle	30%	30%
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	13.6 kg	13.7 kg
Items no. per pallet	40	40
Kit weight	14.5 kg	
Kits no. per pallet	40	

- CP.BULL8-OM ■ 150

BULL8 OM.S --- CP.BULL8-OM 150

CONTROL UNITS:

BULL8 OM -





BULL8 OM



COMMERCIAL USE

64

control unit with built-in encoder and receiver personalised release key oil lubrication

up to 800 kg

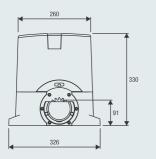


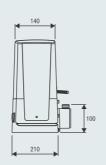
230 Vac

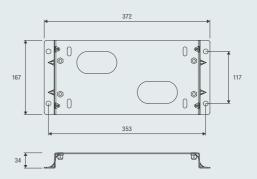
- Electromechanical 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Full metal mechanics and oil lubrication ensure maximum gear durability. The type of oil used is also particularly effective, and ensures maximum efficiency even at low temperatures
- Reduced mechanical wear on components
- Metal release lever
- Version with magnetic limit switches available (BULL8OM.S)



Raised foundation plate included. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.







SELECTOR

1x TOKEY

COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT
KBULL80M	1x BULL8 OM	1x PUPILLA.R	1x LAMPI.LED





RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws. Package of 10 pcs.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm, motor fixing distance 300x75 mm n.4 M8.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL8 OM*	BULL8 OM.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A
Max Thrust	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min
Duty cycle	40%	40%
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL
Max gate weight	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	14.6 kg	14.7 kg
Items no. per pallet	40	40
Kit weight	15.4 kg	
Kits no. per pallet	40	





BULL10M



COMMERCIAL USE

щ,

control unit with built-in encoder and receiver personalised release key

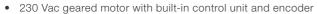
up to 1000 kg



CONTROL UNITS:



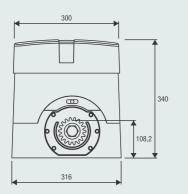
230 Vac

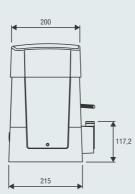


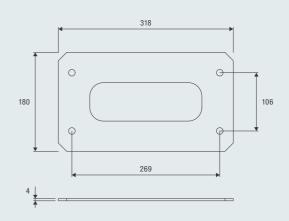
- The encoder device ensures crush prevention and precision in the gate moving phases
- Metal release lever
- Version equipped with magnetic limit switches available (BULL10M.S)



Foundation plate with anchor bolts included. Motor and floor fixing distance 269 mm x 106 mm, no. 4 \varnothing 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL10M*	BULL10M.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	1.6 A	1.6 A
Max Thrust	1000 N	1000 N
Opening speed	10.5 m/min	10.5 m/min
Duty cycle	40%	40%
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
perating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1000 kg	1000 kg
riving gear for rack	M4 Z18	M4 Z18
Veight	19 kg	19.1 kg
ems no. per pallet	20	20





BULL1224 *TURBO*



COMMERCIAL USE



control unit with incorporated receiver and virtual encoder oil lubricated reductions personalised release key built-in battery charger



up to 1200 kg



24 Vdc | intensive use



- Fast 24 VDC geared motor for intensive use with oil lubricated reductions, control unit equipped with switching power supply (115/230 VAC) that permits reduced power use and long lifespan of the actuator
- The main control unit, on the top part of the motor, makes it
 possible to facilitate the wiring procedure and also to calculate
 the position of the motor starting from the measurement
 of instantaneous speed (virtual encoder)
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with transmitter can be activated at the first installation. Practical cableguides
- Maximum performance and speed (24 m/min with 1200 kg)
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for connection to the X.BE module to integrate the device into KNX home automation systems
- Convenient compartment for 2 mod. DA.BT6 7 Ah batteries
- Metal release lever
- Option to operate opposed sliding gates using the SIS accessory
- Version available with magnetic limit switches (BULL1224 TURBO.S)



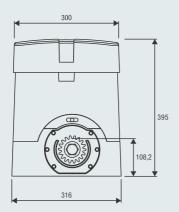
CONTROL UNITS:

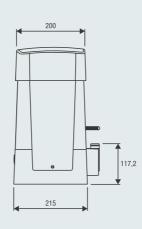


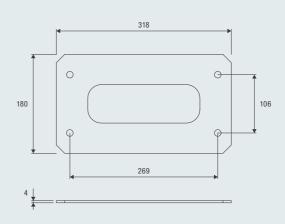


Foundation plate with anchor bolts included.

Motor and floor fixing distance
269 mm x 106 mm, no. 4 Ø 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



DE

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.

IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BULL1224T.CB

Kit comprising 5 cables and 5 brackets for battery installation and operation even in the event of a power failure.



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL1224 TURBO	BULL1224 TURBO.S
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3 A	3 A
Power consumption in stand-by	8 mA	8 mA
Max Thrust	390 N	390 N
Opening speed	12.5÷24 m/min	12.5÷24 m/min
Duty cycle	80%*	80%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1200 kg	1200 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	17.3 kg	17.4 kg
Items no. per pallet	20	20





BULL15M



COMMERCIAL USE

control unit with built-in encoder and receiver personalised release key

up to 1500 kg



CONTROL UNITS:

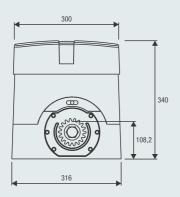


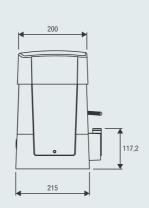


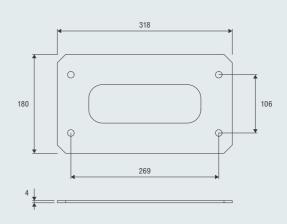
- 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Metal release lever
- Version equipped with magnetic limit switches available (BULL15M.S)



Foundation plate with anchor bolts included. Motor and floor fixing distance 269 mm x 106 mm, no. 4 \varnothing 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.
Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

BULL15M*	BULL15M.S*
230 Vac (50-60Hz)	230 Vac (50-60Hz)
230 Vac	230 Vac
2.5 A	2.5 A
1250 N	1250 N
10.5 m/min	10.5 m/min
60%	60%
IP44	IP44
NO	YES
-20°C /+50°C	-20°C /+50°C
1500 kg	1500 kg
M4 Z18	M4 Z18
19.6 kg	20.1 kg
20	20
	230 Vac (50-60Hz) 230 Vac 2.5 A 1250 N 10.5 m/min 60% IP44 NO -20°C /+50°C 1500 kg M4 Z18 19.6 kg





KBULL15M.S-HM



CONTROL UNITS:

BULL15M.S-HM — CP.BULL-RI **■** 151



COMMERCIAL USE



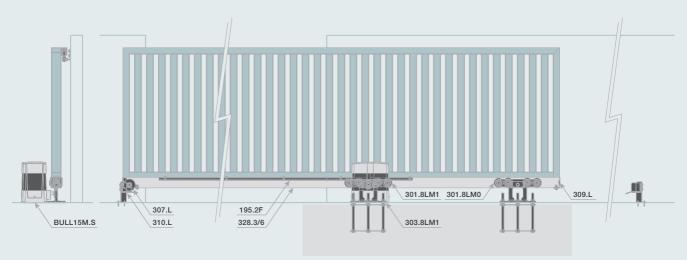
control unit with built-in encoder and receiver personalised release key

up to 1500 kg



230 Vac

- 230 VAC geared motor with incorporated control unit and encoder
- The encoder guarantees maximum safety against crushing and precision while the gate is moving
- Metal release lever
- Available in the kit KBULL15M.S-HM for automating cantilever sliding gates, equipped with 9 mt long track
- The system has an internal rack, and guarantees maximum safety against draw-in and/or crushing in the transmission mechanism
- The system is fastened on one of two carriages present inside the rail. This ensures compliance with safety regulations, since it is within the impact curve parameters



☐ KIT INCLUDES THE FOLLOWING ITEMS:







ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter
with Advanced Rolling
Code and Rolling Code.



IRI.TX4AK
4-channel transmitter
with Advanced Rolling
Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.

Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL
Pair of vandal-proof
metal covers for
PUPILLA/PUPILLA.R
photocells, comprising
front and rear shells
with concealed screw.
They can maintain perfect
orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S
Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



TECHNICAL DATA	BULL15M.S-HM
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	2.5 A
Max Thrust	1250 N
Opening speed	10.5 m/min
Duty cycle	60%
Protection level	IP44
Magnetic limit switches	SI
Operating temperature	-20°C /+50°C
Max gate weight	1500 kg
Driving gear for rack	M4 Z18
Weight	18.9 kg
Items no. per pallet	20





JLL1524





COMMERCIAL USE



control unit with incorporated receiver and virtual encoder personalised release key built-in battery charger

up to 1500 kg





24 Vdc | intensive use

- 24 VDC geared motor with integrated control unit equipped with switching power supply (85÷265 VAC) which reduces energy consumption and ensures a long lifespan of the actuator
- Very intensive use, ideal for condominium applications
- Anti-crushing system with amperometric obstacle detection
- The control unit makes it possible to calculate the position of the motor starting from the measurement of instantaneous speed (virtual encoder)
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- · Fast and easy to install, with the self-programming function through the radio transmitter, activation is possible immediately after installation
- Option to operate opposed sliding gates using the SIS accessory and in case of power failure with the built-in battery charger accessory
- Metal release lever
- Version available with magnetic limit switches (BULL1524.S)



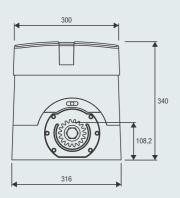
CONTROL UNITS:

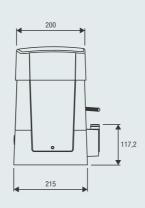
BULL1524 — CP.B1524 **■** 164

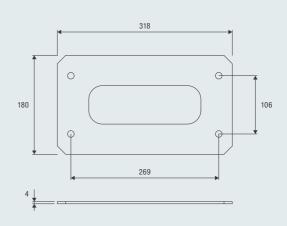




Foundation plate with anchor bolts included. Motor and floor fixing distance 269 mm x 106 mm, no. 4 Ø 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

BULL1524.S

20

85 ÷ 265 Vac (50-60Hz)

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.

TECHNICAL DATA

Items no. per pallet

Power supply



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BULL1524.CB

Accessory equipped with 1.2 Ah batteries and support bracket.

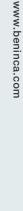


SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

BULL1524

85 ÷ 265 Vac (50-60Hz)



Motor supply	24 Vdc	24 Vdc
Max absorbed current	1.7 A	1.7 A
Max Thrust	944 N	944 N
Opening speed	11.7 m/min	11.7 m/min
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	15.9 kg	16 kg

20







BULL17 OMI



BULL17 OMI — CP.BULL OMI № 153



INDUSTRIAL USE



control unit with built-in inverter and virtual encoder oil lubricated reductions personalised release key



up to 1700 kg





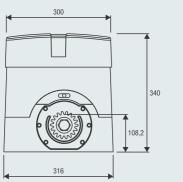
- Single phase 230 VAC geared motor for intensive use with oil lubricated reductions
- The main control unit, located in the top part of the motor and with integrated inverter, makes it possible to calculate the position of the motor starting from the measurement of current intensity on the electric motor (virtual encoder)
- Oil lubrication guarantees maximum duration of the reducer.
 The type of oil is very effective and guarantees excellent performance even at low temperatures
- Reduced mechanical wear of components
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- Receiver ONE2.WI is supplied
- Metal release lever

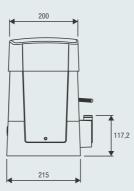




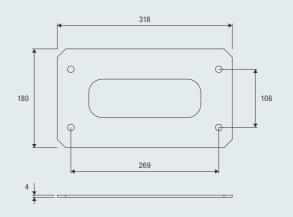
Foundation plate with anchor bolts included.

Motor and floor fixing distance
269 mm x 106 mm, no. 4 Ø 12 mm.





Weight (kg)	Speed (m/min)
1,700	17
1,000	20
500	24







RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.
Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL17 OMI*
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	7 A
Max Thrust	1880 N
Max opening speed	24 m/min
Duty cycle	80%**
Protection level	IP44
Magnetic limit switches	NO
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	1700 kg
Driving gear for rack	M4 Z18
Weight	21.6 kg
Items no. per pallet	20









INDUSTRIAL USE



BULL20M: control unit with built-in encoder and receiver BULL20T: no control unit personalised release key

up to 2000 kg

Irreversible electromechanical geared motor available in versions single-phase 230 VAC or three-phase 400 VAC. Metal release lever.

230 Vac

- 230 Vac single phase geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Control unit equipped with electronic braking
- Version equipped with magnetic limit switches available (BULL20M.S)

400 Vac

- 400 Vac three phase geared motor with external control unit and electronic braking
- Self-ventilated motor for more intense use
- Version equipped with magnetic limit switches available (BULL20T.S)



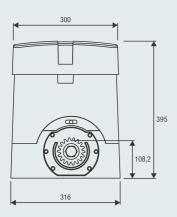
CONTROL UNITS:

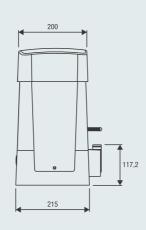
BULL20M —	CP.BULL-RI	🗎 151
BULL20M.S -	CP.BULL-RI	■ 151
BULL20T	THINKY START	141142
BULL20T.S	THINKY START	141142

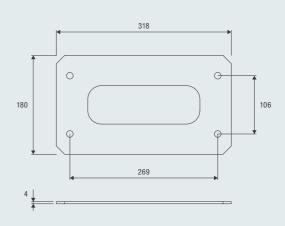




Foundation plate with anchor bolts included. Motor and floor fixing distance 269 mm x 106 mm, no. 4 Ø 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. **Package of 2 pcs.**



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL20M*	BULL20M.S*	BULL20T	BULL20T.S
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	≋ 400 Vac	≋ 400 Vac
Max absorbed current	2.9 A	2.9 A	1.7 A	1.7 A
Max Thrust	1667 N	1667 N	2000 N	2000 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	40%	40%	intensive use	intensive use
Protection level	IP44	IP44	IP44	IP44
Built-in control unit	YES	YES	NO	NO
Magnetic limit switches	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max gate weight	2000 kg	2000 kg	2000 kg	2000 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight	21.1 kg	21.3 kg	21.3 kg	21.4 kg
Items no. per pallet	20	20	20	20





BULL 20 HE



CONTROL UNITS:

BULL20 HE — — CP.BULL20-HE ■ 152



COMMERCIAL | INDUSTRIAL USE



control unit with built-in encoder and receiver oil lubricated reductions personalised release key self-ventilated for very intense use



up to 2000 kg

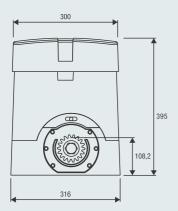


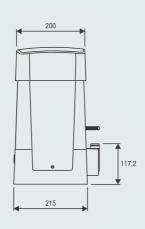
230 Vac

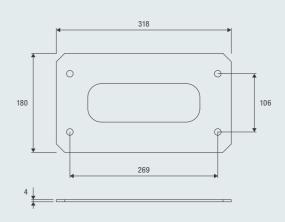
- Self-ventilated 230 VAC geared motor for intensive use with oil lubricated reductions
- Thanks to the characteristics of the new electric motor, this product is particularly indicated for very intense use
- The encoder guarantees maximum safety and precision while the gate is moving
- Metal release lever



Foundation plate with anchor bolts included. Motor and floor fixing distance 269 mm x 106 mm, no. 4 \varnothing 12 mm.











RI.M4F



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm. Package of 2 pcs.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



SB.BULL20.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.
Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BULL20 HE*
Power supply	230 Vac (50Hz)
Motor supply	230 Vac
Max absorbed current	3 A
Max Thrust	1100 N
Max opening speed	10.5 m/min
Duty cycle	80%**
Protection level	IP44
Magnetic limit switches	YES
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2000 kg
Driving gear for rack	M4 Z18
Weight	21.4 kg
Items no. per pallet	20





YAK25 OT



INDUSTRIAL USE



control unit with built-in inverter and virtual encoder oil lubricated reductions personalised release key



up to 2500 kg



230 Vac

- Three-phase 230 VAC geared motor for intensive use with incorporated control unit, self-ventilation system and metal oil lubricated reductions to guarantee maximum performance also at low temperatures
- The main control unit, located in the top part of the motor and with integrated inverter, makes it possible to calculate the position of the motor starting from the measurement of current intensity on the electric motor (virtual encoder)
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- External metal casing with the possibility to install PUPILLA/PUPILLA.R photocells (as accessory)
- Receiver ONE2.WB is supplied
- Metal release lever



CONTROL UNITS:

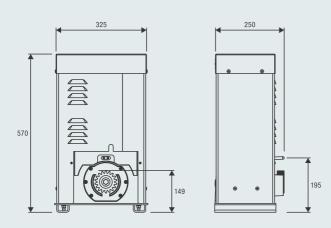
YAK25 OTI — CP.YAK OTI ■ 156

YAK25 OTI

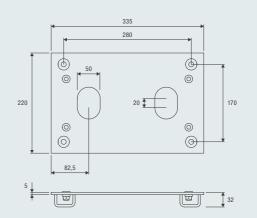




Raised foundation plate included. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm, motor fixing distance 269x106 mm n.4 M10.



Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,500	14
1,000	16
500	24







RI.M4Z
M4 galvanised rack to
weld 22x22x2000 mm.
Package of 2 pcs.



RI.M4ZF
Galvanised slotted M4
rack 22x22x2010 mm
for fastening to the
side with the teeth.
Supplied with M6 screws.

Package of 1 pc.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm.
Requires pinion RI.P6.



RI.P6 M6 gear, it needs the rack RI.M6Z.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TAWarning board.



IRI.TX4VA
4-channel transmitter
with Advanced Rolling
Code and Rolling Code.



IRI.TX4AK
4-channel transmitter
with Advanced Rolling
Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons.

Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL
Pair of vandal-proof
metal covers for
PUPILLA/PUPILLA.R
photocells, comprising
front and rear shells
with concealed screw.
They can maintain perfect
orientation over 180°.

TECHNICAL DATA

Max absorbed current

Max opening speed

Operating temperature

Power supply

Motor supply

Max Thrust

Duty cycle
Protection level

Lubrication

Weight

Max gate weight

Driving gear for rack

Items no. per pallet



PUPILLA

Pair of photocells
adjustable to 180°.
Option to synchronise
up to 4 pairs, 24 VAC/DC
power supply. Easy
adjustment through a
LED that signals optimal
alignment. Compact size:
36x110x35 mm



PUPILLA.R
Pair of fixed photocells characterised by an N.C. relay (voltage free contact). Possibility to install 2 pairs close to each other without synchronisation.
Compact size:
36x110x35 mm.



DA.2SElectronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

YAK25 OTI

36.3 kg

8

230 Vac (50-60Hz)

≋ 230 Vac	
4.0 A	
2500 N	
24 m/min	
intensive use	
IP44	
-20°C /+50°C	
OIL	
2500 kg	
M4 Z18	•







BISON25 OT



CONTROL UNITS:

BISON25 OTI — CP.BISON OTI ■ 154



INDUSTRIAL USE



control unit with built-in receiver, magnetic encoder and inverter oil lubricated reductions IP68 limit switch personalised release key



up to 2500 kg



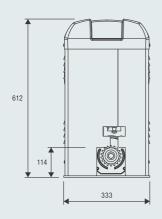
230 Vac

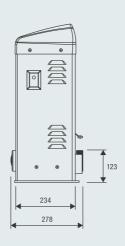
- Three phase 230 Vac geared motor, ventilated for intensive use
- Full metal mechanics and oil lubrication.
 The type of oil used ensures maximum efficiency even at low temperatures
- The encoder device ensures precision in the gate moving phases
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory



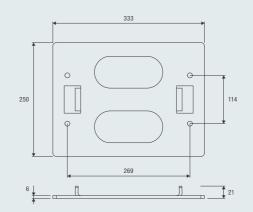
Foundation plate with anchor bolts included.

Motor and floor fixing distance
269 mm x 114 mm, no. 4 ∅ 12 mm.





Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,450	13
1,100	15
650	19







RI.M4Z M4 galvanised rack to weld 22x22x2000 mm. Package of 2 pcs.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws. Package of 1 pc.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



FTC.S

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BISON25 OTI
Power supply	230 Vac (50-60Hz)
Motor supply	≋ 230 Vac
Max absorbed current	8 A
Max Thrust	2500 N
Max opening speed	19 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight	41.2 kg
Items no. per pallet	8







BISON35 OTI BISON35 OTI



CONTROL UNITS:

BISON35 OTI — CP.BISON OTI

154

BISON35 OTIL — CP.BISON OTI L

155



INDUSTRIAL USE



control unit with built-in receiver, magnetic encoder and inverter oil lubricated reductions IP68 limit switch personalised release key



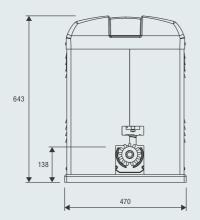
up to 3500 kg

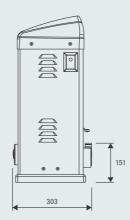


- Three phase electromechanical geared motor available in 230 Vac (can be connected to 230 Vac single phase network) or 400 Vac (can be connected to 400 Vac three phase network)
- · Ventilated for intensive use
- The encoder device ensures precision in the gate moving phases
- Full metal mechanics and oil lubrication with maximum efficiency even at low temperatures
- · Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory

Foundation plate not included











RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm.



BISON.P35

Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 410x210 mm n.4 Ø 13 mm.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



FTC.S

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

BISON35 OTI	BISON35 OTI L 230 Vac (50-60Hz) ≈ 230 Vac 8 A 2500 N 10.5 m/min
≥ 400 Vac 3 A 3000 N 19 m/min	≈ 230 Vac 8 A 2500 N 10.5 m/min
3 A 3000 N 19 m/min	8 A 2500 N 10.5 m/min
3000 N 19 m/min	2500 N 10.5 m/min
19 m/min	10.5 m/min
ntensive use	
THOTIOTIC GOO	intensive use
P44	IP44
·20°C /+50°C	-20°C /+50°C
OIL	OIL
3500 kg	3500 kg
M6 Z13	M6 Z13
50.8 kg	51 kg
	4
3	500 kg 16 Z13







BISON45 OTI



CONTROL UNITS:

BISON45 OTI — CP.BISON OTI ■ 154



INDUSTRIAL USE



control unit with built-in receiver, magnetic encoder and inverter oil lubricated reductions IP68 limit switch personalised release key



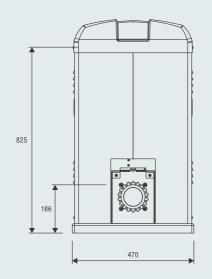
up to 4500 kg

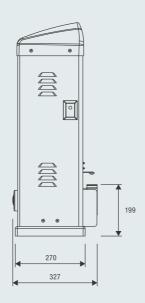


- Three phase 400 Vac geared motor, ventilated for intensive use
- Security sensor which interrupts the motor power supply during release operations
- The encoder device ensures precision in the gate moving phases
- Full metal mechanics and oil lubrication.
 The type of oil used ensures maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory









Weight (kg)	Speed (m/min)
4,500	10
3,500	11
2,600	13
2,000	15
1,150	19





RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm.



BISON.P45

Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 400x210 mm n.4 Ø 14,5 mm.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



ID.TA

Warning board.



IRI.TX4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP

White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD

Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



FTC.S

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).

TECHNICAL DATA	BISON45 OTI
Power supply	≋ 400 Vac (50-60Hz)
Motor supply	≋ 400 Vac
Max absorbed current	2.85 A
Max Thrust	5000 N
Max opening speed	19 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	4500 kg
Driving gear for rack	M6 Z18
Weight	66 kg
Items no. per pallet	4