

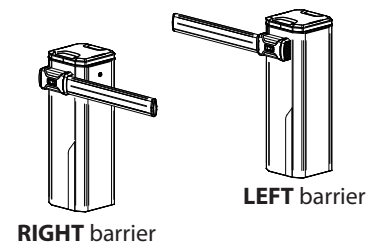
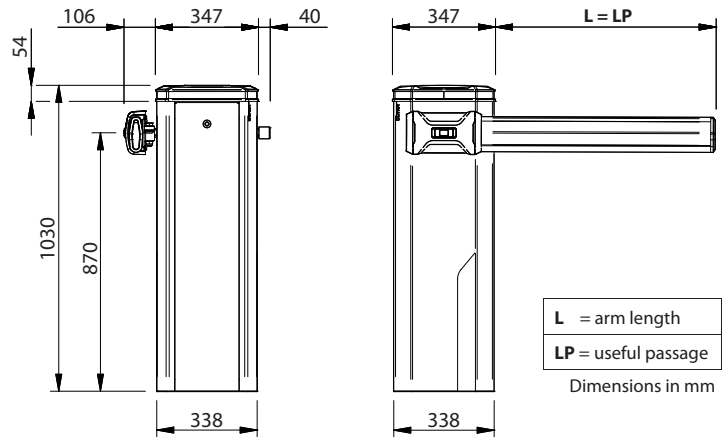
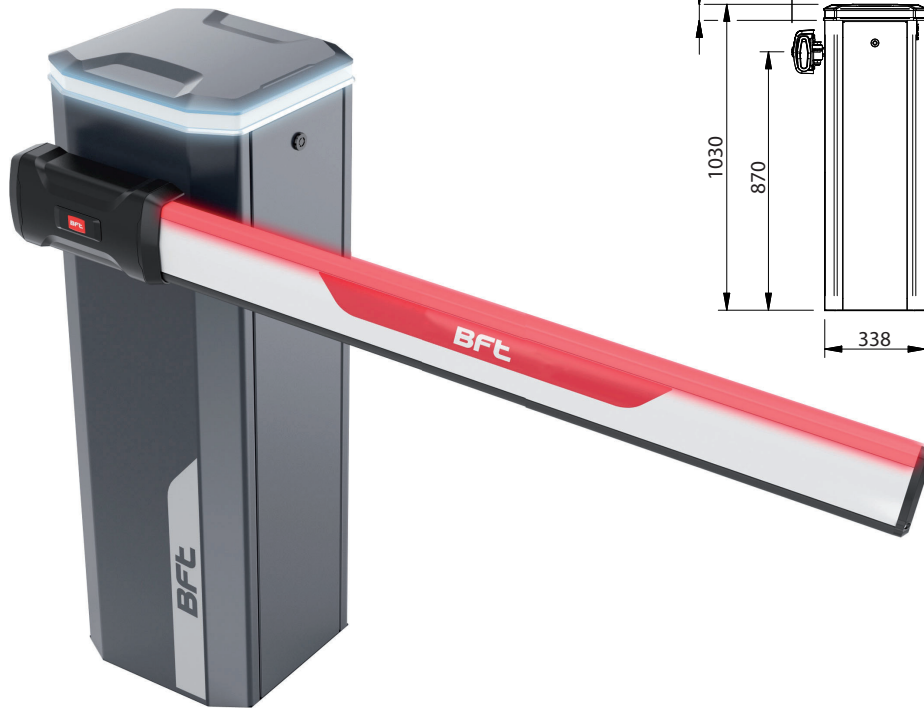


PRODUCT DATASHEET

MAXIMA ULTRA 36

Automatic electromechanical barrier with safety reopening

Professional electromechanical barrier with inverter technology and heavy-duty asynchronous three-phase motor, designed to operate across a wide range of usage conditions, like in large parking lots or motorway toll booths with frequent motion reversals.



- Self-supporting steel structure, cathaphoresis treated and powder paint coated (optional stainless steel)
- Double output shaft for installation on the right or on the left
- Opening time: **from 0.7 to 3.9 s**
- Maximum frequency: **20 000 operations/day** for arm length up to 3 m
5 000 operations/day for arm length up to 6 m
- MCBF: **7 000 000 cycles**
- Motor speed regulation
- Rod/crank mechanism ensuring the bar always moves smoothly
- Configurable obstacle detection with motion reversal while closing (encoder)
- Single spring for openings up to 6m wide
- Cap with RGB led lights (optional) providing blinking, traffic light and diagnostics functions
- Complete with installation template
- Built-in inverter
- Gearmotor in oil bath and asynchronous, three-phase motor 230 Vac
- Version with 115 Vac power supply available
- Manual opening inside the structure
- Greater accessibility thanks to the double door and to the cap
- Vandal-resistant system for interior protection.
- Control unit compatible with TCP/IP and RS485 protocol

REFERENCE STANDARDS

2006/42/CEE (EN 60204-1:2006) Machinery Directive

2014/35/UE (EN 60335-1:2012 ; EN 60335-1/A11:2014 ; EN 60335-2-103:2015) Low Voltage Directive

2014/30/UE (EN 61000-6-4:2007 ; EN 61000-6-2:2005 ; EN 6100-6-4/A1:2011) Electromagnetic Compatibility

2014/53/UE (ETSI EN 301 489-3 + ETSI EN 301 489-1 ; ETSI EN 300 220-2) Radio Equipment Directive (tested with the electronic control unit CSB Xtreme)

TECHNICAL-ENVIRONMENTAL MAIN FEATURES

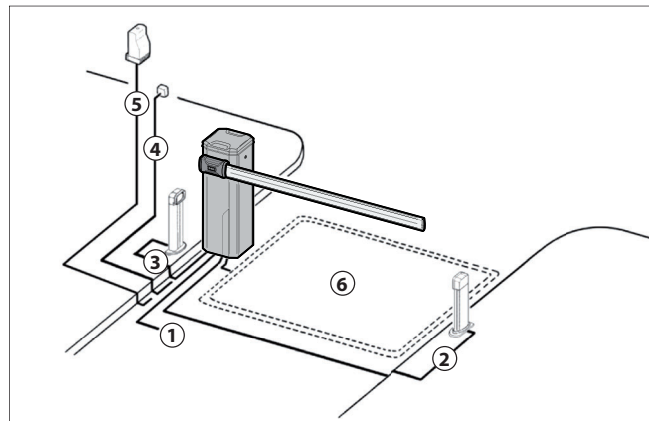
Barrier size	338 x 338 x h.1 030 mm; steel Fe360 (S 235 JR) *
Road passage	2.0...6.0 m
Finishing	Cataphoresis, powder paint RAL7015 standard, other colours on request
Foundation	Concrete, 500 x 500 x h.400 mm
Motor	Gearmotor in oil bath and asynchronous, three-phase motor, rod/crank
Obstacle detection	Configurable obstacle detection with motion reversal while closing (encoder)
Lock	Mechanic
Unlock	Manual inside the structure
Opening time	Adjustable from 0.7 to 3.9 s
Operating ambient temperature	-40°C ** +60°C
Operating humidity	up to 100%
IP grade	IP55
Net weight	69 kg
Gross weight	72 kg

* option, AISI304 or AISI316

** With integrated heater active

ELECTRICAL FEATURES

Control unit	CSB Xtreme
Power	1-phase 230 Vac ±10%, 50-60 Hz 1-phase 115 Vac ± 10%, 50-60 Hz version available
IP grade	IP55
Operating ambient temperature	-40°C ** +60°C
Operating humidity	up to 95%, non condensing
Absorbed power	370 W
Power consumption	44 W
Signalling	LED lights on the arm, cap with RGB led lights providing blinking, traffic light and diagnostics functions
Sensor inputs	<ul style="list-style-type: none"> • Photocell • Boom pushed (special breakable boom) • UPS • Emergency stop from front panel
Local/Remote control	<ul style="list-style-type: none"> • Digital inputs • Radio remote control (RX on board, TX optional) • RS485, TCP/IP (optional)



INSTALLATION EXAMPLE

- | | |
|--------------------------|-------------|
| 1) Single-phase line | 2 x 1.5 + T |
| 2) Transmitter photocell | 2 x 0.5 |
| 3) Receiver photocell | 4 x 0.5 |
| 4) Key selector | 2 x 0.5 |
| 5) Receiver Antenna | 4 x 0.5 |
| | RG58 |
| 6) Magnetic coil | |

For system composition and installation refer to the regulations in force in the country where the system is being installed.

ITEM SPECIFICATION

Automatic electromechanical barrier for passage from 2.0 to 6.0 m. Dimensions 338 x 338 x h.1 030 mm. Self-supporting steel structure Fe360 (S 235 JR), cataphoresis treated and powder paint coated. IP55. Internal control unit, compatible with TCP/IP and RS485 interfaces. Gearmotor in oil bath and asynchronous, three-phase motor, rod/crank. Operating ambient temperature up to -40°C +60°C. Maximum frequency: 20 000 operations/day for arm length up to 3.0 m, 10 000 operations/day for arm length up to 4.0 m. MCBF: 7 000 000. Electric motor power 230 Vac (±10%), 50-60Hz. Max power consumption 370W. Opening time: from 0.7 to 3.9 s. Configurable obstacle detection (encoder). Spring balance. Manual unlock inside the structure.

