DATASHEET

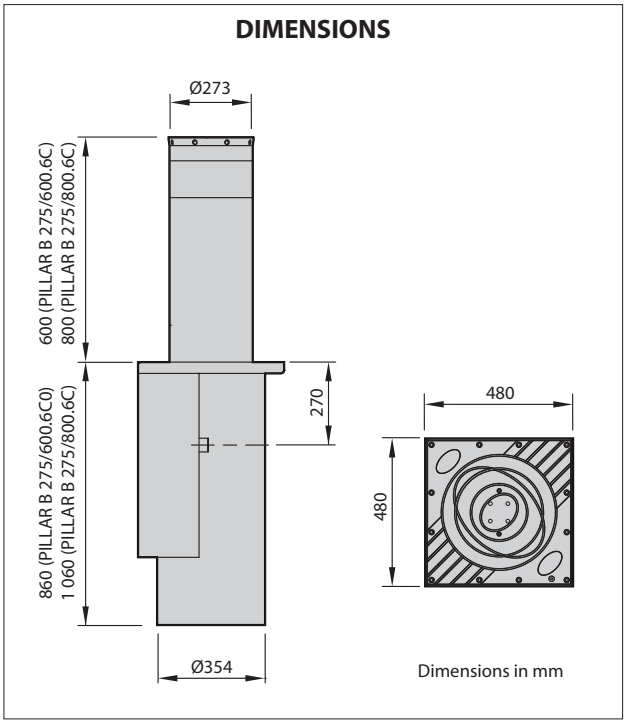
EN D813893 2AF03_13 08-06-23

PILLAR B 275/600.6C
PILLAR B 275/800.6C

Automatic hydraulic bollard

Automatic hydraulic bollard, suitable for installation to protect sensitive places (ministries, barracks, airports, access to buildings of particular importance).

Indipendent hydraulic pump for each bollard, access for simplified servicing. If a control unit fails, the other bollards remain in operation, simplifying maintenance operations.



- Automatic hydraulic bollard with high resistance, for intensive use.
- Available in two versions:
  - **STANDARD**: in case of power failure, the rod automatically moves down;
  - **SAFETY** (**SCT**): in case of power failure, the rod does not move down and keeps the passage closed; the descent command is issued manually, by opening the safety valve that can be accessed from the flange.
- Sensors for bollard positions: fully up and fully retracted.
- Obstacle sensing, configurable (with/without movement inversion).
- Bollard top cover with led lights and buzzer.
- Interfaces for remote control (RS485 - TCP/IP, optional).

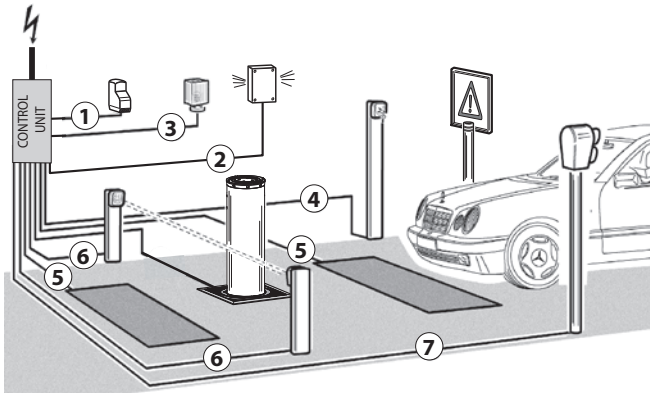
TECHNICAL SPECIFICATIONS

	PILLAR B 275/600.6C	PILLAR B 275/800.6C
Stem diameter	273 mm	
Stem height	600 mm	800 mm
Stem thickness	6 mm	
Rise time	~ 4.8 s (50 Hz)	~ 6.1 s (50 Hz)
Lowering time	~ 4.3 s	~ 5.0 s
EFO rise time	/	
Break-in resistance	250 000 J	
Impact resistance	20 000 J	
Max operating frequency	up to 3 000 op./day	
MCBF	3 000 000 cycles	
Hydraulic pump	Integrated	
Emergency unlocking	**STD** version: power cut-off	
	SCT version: manual operation	
Type of material	Fe 360 (S 235 JR) *	
Treatment	Cataphoresis, standard RAL7015 painting, other colours available upon request	
Weight	136 kg	149 kg
Actuator lubrication	Biodegradable oil	
Top cover	Aluminium, cataphoresis black	
Visibility active	High intensity LEDs and buzzer, on the top cover	
Visibility passive	Reflective white film H=100 mm **	
Flange (included)	Cast iron, cataphoresis black 480 x 480 mm	
Control unit	PERSEO CBE	
Power supply voltage	1-phase 230 Vac ±10%, 50-60 Hz (115 Vac with optional adapter)	
Motor voltage	230 Vac ±10%, 50-60 Hz	
Power consumption, max	0.60 kW for each bollard	
Power consumption, idle	28 W	
Bollard degree of protection	IP67	
Control unit degree of protection	IP55	
Working temperature	-40°C *** +60°C	
Operating humidity	up to 95%, non condensing	
Controllable bollards	Max. 4 for each control unit; parallel control wiring possible for driving many groups of bollards	
Sensors	- Open passage / bollard down - Closed passage / bollard up - Overpressure/Obstacle	
Local/Remote control	- Digital inputs - Radio remote control (transmitter optional)	
Max. n° of remotes that can be memorized	2 048	
Foundation	1 000 x 1 000 x h. 1 200mm	1 200 x 1 200 x h. 1 400mm

(*) = Option, AISI316
(**) = Customizable (optional)
(***) = With integrated heater active

SAMPLE INSTALLATION

For the system composition and installation please refer to the laws in force in the country where the equipment is installed.



ACCESSORIES

- Anti-tampering sensor
- TCP/IP interface module
- RS485 serial interface module
- Receiver (**1**)
- Switchboard with emergency button
- Emergency vehicle siren detector (**2**)
- Flashing indicator (**3**)
- Key selector (**4**)
- Metal mass detector
- Magnetic coil for metal mass detection (**5**)
- Photocells with steerable infra-red beam (**6**)
- Certified traffic light unit (**7**)

REFERENCE STANDARDS

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

2014/30/UE (EN 61000-6-3:2007; EN 61000-6-2:2005; EN 6100-6-3/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 PERSEO CBE)

ITEM SPECIFICATION

Automatic hydraulic bollard. Available in two sizes: Ø273xh.600xth.6mm and Ø273xh.800xth.6mm. Steel Fe 360 (S 235 JR). Break-in resistance up to 250 000 Joules. Work time: 600 version rise time ~ 4.8 s, lowering time ~ 4.3 s; 800 version rise time ~ 6.1 s, lowering time ~ 5.1 s. IP67. Working temperature up to -40°C +60°C. Electric power 1-phase 230 Vac ±10%, 50-60 Hz. Control unit with integrated heating circuit. Max. 4 bollard for each control unit, with possibility parallel control wiring for driving many groups of bollards. Absorbed power 0.60 kW for each bollard. Hydraulic pump located under the flange. Obstacle sensing, adjustable (with/without movement inversion). Designed in two versions:
- STANDARD: in case of power failure, the rod automatically moves down;
- SAFETY: in case of power failure, the rod does not move down and keeps the passage closed; the descent command is issued manually.

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