

# Automatic bollards EMB

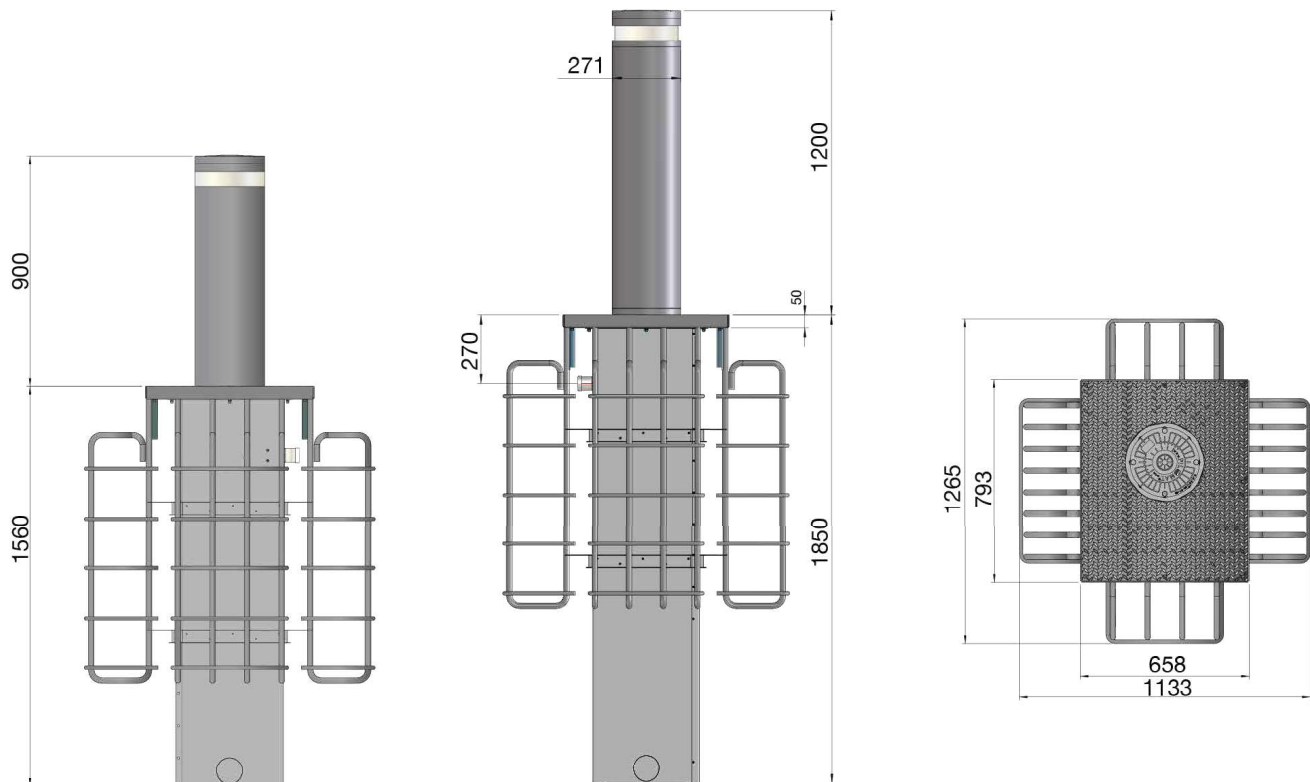
with integrated electromechanical operator

AE275/K12-900/ AE275/M50-1200



Product description		
Automatic Bollards (AE)	AE275/K12-900	AE275/M50-1200
Movable cylinder	Height	900 mm
	Diameter	271 mm
	Material thickness	23 mm
	Material	Steel S355JR Stainless steel (AISI 304)/(AISI 316)
	Surface treatment	Steel version: anti-corrosion treatment – standard painting* Stainless steel version: standard painting* or brushed
	Reflecting strips (height 55 mm)	Yes
	Lifting speed	22 cm/s
	Lowering speed	22 cm/s
Manual emergency lowering	Yes	
Connecting cable to control unit	Standard 10 m – (max. 50 m)	
Control unit voltage	230/400 V AC (+/- 10%) 50/60 Hz	
Protection category	IP 67	
Cycles per day	2,000	
Overall cycles (service life)	Approx. 3,000,000	
Impact energy without destruction - impact resistance	700,000 J	
Impact energy with destruction - breakout resistance	2,000,000 J	
Load rating acc. to EN 124	D400 Regulation	
Temperature range	From -40°C to +70°C (for low temperatures, see heating element article no. 4515342)	
Certified acc. to	PAS68, IWA14-1, ASTM M50 (K12)	PAS68, IWA14-1, ASTM M50 (K12)

\* For orders with no surcharge in RAL to choose, the standard colour is Anthracite grey.



<b>AE275/K12-900 / AE275/M50-1200 with integrated electromechanical operator</b>		<b>AE275/K12-900</b>	<b>AE275/M50-1200</b>
		Article no.	Article no.
Automatic bollard AE275/K12-900 / AE275/M50-1200	Steel painted	PY101093	PY101023
	Stainless steel painted	PY107093	PY107023
	Stainless steel brushed	PY113093	PY113023
Automatic bollard AE275/K12-900 / AE275/M50-1200 + Lighting strips with 25 LEDs	Steel painted	PY103093	PY103023
	Stainless steel painted	PY108093	PY108023
	Stainless steel brushed	PY115093	PY115023
Automatic bollard AE275/K12-900 / AE275/M50-1200 + Lighting strips with 25 LEDs + EFO emergency function to quickly raise the bollard (in approx. 1.5 s)	Steel painted	PY122093	PY122023
	Stainless steel painted	PY123093	PY123023
	Stainless steel brushed	PY124093	PY124023

<b>Foundation box for automatic bollards</b>		<b>Article no.</b>	
Steel foundation box with aluminium zinc coating, with counterframe and reinforcement rods	AE275/K12-900	PY151010	
	AE275/M50-1200	PY151012	
Stainless steel foundation box, water-tight version, with immersion pump, counterframe and reinforcement rods	AE275/K12-900	PY151011	
	AE275/M50-1200	PY151013	
Surcharge for upper stainless steel counterframe (AISI 304)		AA101881	
Suspended foundation box kit for AE275/K12-M50 bollard – upper plate, frame cover and lower water-tight stainless steel foundation box (excluded chemical anchors) <b>ATTENTION! The bollard assembled in the suspended foundation box is not crash-test certified</b>		AA107151	
Metal cap for foundation box (with screws)		AA900851	

### Controls for automatic bollards

<b>Controls for bollards</b>							
		for 1bollard	for 2bollards	for 3bollards	for 4bollards	for 5bollards	for 6 to 10 bollards
<b>AE275/K12-900 / AE275/M50-1200</b>	<b>Article no.</b>	PY152001	PY152002	PY152003	PY152004	PY152005	PY152098

<b>Controls for bollards with EFO emergency function</b>							
		for 1bollard	for 2bollards	for 3bollards	for 4bollards	for 5bollards	for 6 to 10 bollards
<b>AE275/K12-900 / AE275/M50-1200</b>	<b>Article no.</b>	PY152011	PY152012	PY152013	PY152014	PY152015	PY152099

Controls for more than 10 bollards without / with EFO emergency function on request.

### Optional extras for automatic bollards

	<b>Article no.</b>	
Surcharge for painting the cylinder in RAL to choose		AA900871
Surcharge for cylinder version in brushed stainless steel (AISI 316)	Cylinder 275-900	AA104131
	Cylinder 275-1200	AA104161
Acoustic warning signal (for bollards only in combination with LED lighting strips)		AA103261
Protection against corrosion - marine treatment - for painted steel bollards (recommended for saline ambient conditions)	AE275/K12-900	AA107281
	AE275/M50-1200	AA107311
Protection against corrosion - marine treatment - for painted stainless steel bollards (recommended for saline ambient conditions)	AE275/K12-900	AA107291
	AE275/M50-1200	AA107321
Protection against corrosion - marine treatment - for brushed stainless steel bollards (recommended for saline ambient conditions)	AE275/K12-900	AA107301
	AE275/M50-1200	AA107331
Knurling on AE275/K12-M50 bollard with steel cylinder (difference)	Cylinder 275-900	AA101781
	Cylinder 275-1200	AA101811
Knurling on AE275/K12-M50 bollard with stainless steel cylinder (difference)	Cylinder 275-900	AA101831
	Cylinder 275-1200	AA101821
Emergency lowering in case of power failure	per control	AA107071
Heating element incl. transformer and thermostat 150 W, connecting lead 10 m		AA100901
Extended connecting cable from bollard AE275-M30 / K12 / M50 to control (max. 50 m total) supplied in 5 m increments	Per m	AA107111
UPS device 3.0 kW – 3 kVA for further operation of 1 bollard (up to 1 hour max. and approx. 10 actuations)		BB101761
Cylinder cover (head) and reflecting strip (no logo)	difference	AA108811
Surcharge for stainless steel base plate (corrugated sheet) (AISI 304)		AA101891
Surcharge for stainless steel cylinder cover (AISI 304)		AA101911
Surface customisation of the cylinder cover, e.g. with a city crest or a logo		
Kit to modify the bollard AE275 K4/M30/K12/M50 for inclined road		AA108151
Project inclination required (if not available)		AA108161