



Product Data Sheet

Vehicle Barrier

PS-VBLB-63PK

Special Design for Parking and Revenue Control

The PS-VBLB-63PK Vehicle Barrier has been specially designed for the use in conjunction with revenue control equipment for parking garages. The PS-VBLB-63PK Vehicle Barrier has the capacity to operate for 15000 cycles daily with open / close times ranging between 0.8 and 3 sec. Barrier arms are available straight or articulated and work in conjunction with multiple safety features

Specifications	Technical features
Housing door:	Sheet metal DKP, thickness 2 mm, protected with cataphoresis and RAL 5015 painting.
Cover:	Aluminium sheet 2mm, thickness 2mm, protected with with corrosion protection treatment and RAL 9010 painting.
Painting:	Polyester powder baked at 250°, housing and door in RAL 5015, cover in RAL 9010.
Arm:	Oval aluminium arm 84 mm x 57 mm, with reflective bands, option for articulated, unhinging or ejector arm.
Gearmotor:	Three-phase gearmotor 230 V, 0.25 KW reversible.
Standard equipments:	<p>Body barrier with reversible gearmotor, compensator and arm clip. Frequency variator powered in 230 V single-phase, in 0.25 KW driving the acceleration and deceleration ramps, enabling the regulation of the opening and closing speeds. Logic control PLC enabling the inductive sensors operations. Inductive sensor without contact for the barrier operation. Maintaining opened or closed by current injection. Control push button on the PLC front. Information feedback on the terminal :</p> <ul style="list-style-type: none"> - Presence detector feedback information (if loop is present). - Security detector feedback information (if loop is present). - Information feedback on terminal barrier «open». - Information feedback on terminal barrier «closed». - Information feedback on default synthesis.
Optional equipments:	<p>Articulated arm, with unhinging and ejection device. Controlled front unhinging removing all risk for pedestrians. Back unhinging avoiding the material deterioration in case of impact. Automatic hinging available with the front unhinging allowing the arm replacement due to an impact without intervention. Automatic lift arm in case of power failure. Aluminium sheet housing Integrated camera Specific color for the drum, door and cover. Security, presence, free opening, IR cell, magnetic loop,....</p>

PS-VBLB-63PK PK SPEED PASSAGE

PS-VBLB-63PK STANDARD Oval Arm

Type of barrier	Passage width	Arm Length	Total weight
PS-VBLB-63PK - 00	-	-	50 kg
PS-VBLB-63PK > 200	1,70 m	2,00 m	52 kg
PS-VBLB-63PK > 300	2,70 m	3,00 m	54 kg
PS-VBLB-63PK > 350	3,00 m	3,30 m	56 kg

Mean cycles before failure

5 000 000 cycles

Mean time between failures

15 000 hours

Mean time to Repair

15 minutes

Protection

IP54

Optional equipments:

PVC sealed template frame + 4 fixation bars 16 x 250 mm + 8 bolts.

3 m long carbon arm with anti-impact foam and sock protection Ø 85 mm, equipped with reflective bands.

2-channel magnetic loop detector.

Fixed support post with rubber shock absorber.

Fixed support post with magnetic suction.

Adjustable moving support.

Red / Green light set, directly assembled on the barrier.

Broken arm and open door detection...

Gearmotor brake causing a break of the arm in case of forced passage.

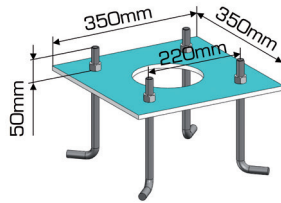
Aluminium sheet housing

Integrated camera

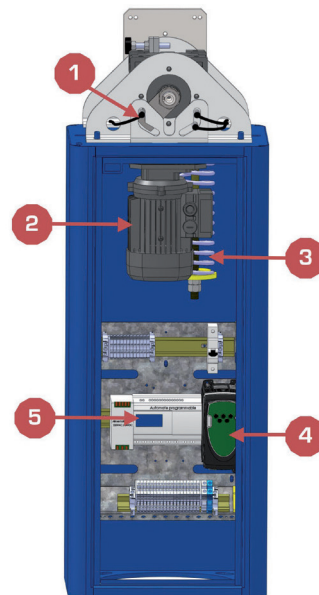
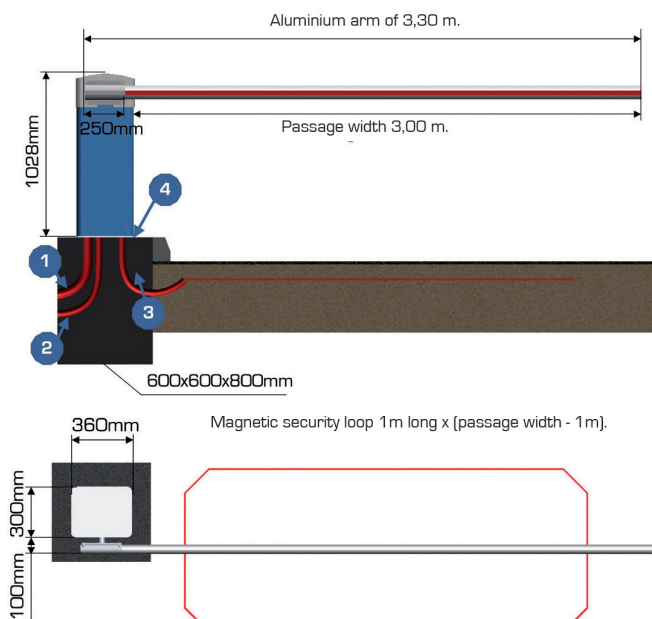
INSTALLATION

Conducts and cables :

- 1 Power supply :**
 - Tube Ø 63 mm.
 - Cable U 1000 RO 2V
 - 3 x 2.5 mm².
- 2 Remote control :**
 - Green Tube Ø 40 mm.
 - Low power cable Type SYT
 - 3 pairs 9/10.
- 3 Magnetic loop tail**
 - Tube ø 30 mm.
 - Cabled loop tail.
- 4 Sealing template frame :**
 - 10 mm PVC base frame.
 - 4 anchoring bars Ø 16 X 250 mm.



The template has to be levelled and must completely rest on the concrete foundation. Distance between each embedded shaft : 220 x 220 mm.



- 1 Reversible gear motor group guaranteed without wear and tear.
- 2 End of stroke position without contact guaranteed without maintenance.
- 3 Compensation spring working in compression ensures a large number of cycles and a complete reopening in case of undervoltage.
- 4 Frequency variator.
- 5 PLC providing a possible evolution of operation.