

The electrical rising barrier type BL16, for passage between 2 to 4 m, is particularly recommended for medium-flow access.

With its simple and reliable conception, the BL16 ensures both efficient and economical vehicle access control and guarantees the required safety of passage.

Description

1. Housing made of folded and welded steel sheet, thickness: 2 to 6 mm.
2. Upper cover in black thermoformed ABS.
3. Access door to the mechanism, with security lock ensuring easy access to intern mecha.
4. Oval-shaped aluminium tube arm, 80 x 53 mm, white enamelled with red reflecting stripes and end cap.
5. Arm rotating shaft mounted on two bearings, life-lubricated. The shaft, centred on the housing, makes it easy to reverse the barrier arm: from left-hand to right-hand side of the housing.
6. Electro-mechanical assembly including:
 - geared motor with worm screw, asynchronous motor.
 - crankshaft/rod device with rubber abutments ensuring smooth, flexible movements and progressive decelerations at the end of movements as well as mechanical locking of the arm in outer positions.
 - arm balance achieved by extension spring at each position,
 - adjustable safety torque limiter,
 - limit switches activated by adjustable cams,
7. Balance of the arm achieved by means of integrated adjustable extension spring.
8. Programmable electronic control logic type D1 monitored by a micro-controller allowing various control operations and/or complementary accessories (see related technical data sheet).
The logic protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
9. Internal lever for manual unlocking of the barrier in case of power failure.
10. Lower fixing provided with 4 oblong holes for securing the barrier to the ground using rawl-bolts or threaded rods, with possibility of alignment with the roadway. (Fixing accessories optional, to be defined depending on the ground nature)

Surface treatment

ANTI-CORROSION PROTECTION

Internal mechanical parts protected by yellow electrozinc dichromate.

Cabinet and access door by zinc phosphatisation, followed by a final cathaphoresis treatment (cathodic process).

PAINT WORK

Anti-rust paint

Application of one coat of anti-rust primer, 2-component micaceous iron epoxy.

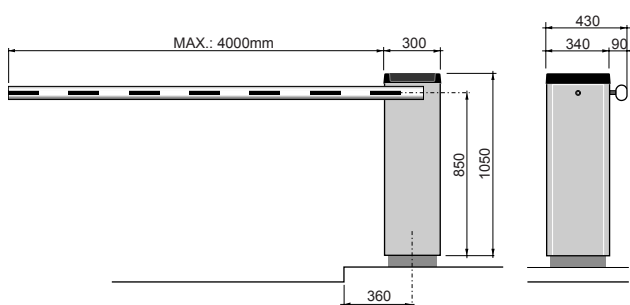
Finish paint

- Application of one coat of 2-component polyurethane paint, standard colour: RAL2000 orange.

Technical characteristics

- Power supply: 230V single-phase, 50 - 60 Hz (to be precised at the order)
- Power consumption: at rest: 5W
in operation : 250W
- Arm balance: achieved by adjustable extension spring
- Arm length: from 2 to 4m
- Motor: asynchronous
- Speed reductor: life-lubricated
- Operating temperature: from - 10°C up to + 50°C
- Operation time: 3,5 seconds
- Net weight (without arm): +/- 57 kg
- Mechanical endurance: 0,5.10⁶ cycles*
- Protection index: IP44

Dimensions

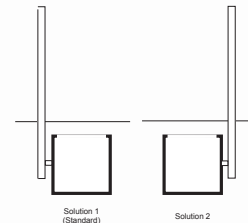


Optional tip supports

- Standard tip support
- Folding tip support

Options

- Electrical power supply other than 230V.
- 2-push button box.
- Different positions possible for the door and the barrier arm.

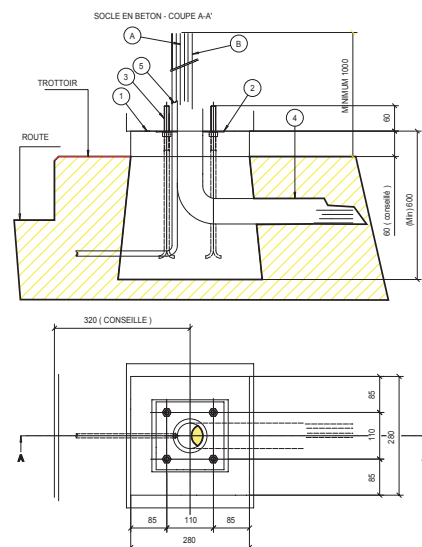


- Alternated red and white reflecting stripes.
- Barrier fixing frame.
- Heating system for operating in -20 or -30° C environments.
- Vehicle presence detector(s);
- Out-of-standard RAL painting (reference to be precised at the order).
- Raised steel base frame.

Work to be provided by the customer

- Single-phase power supply 230V, 10A. + GND.
- Connecting electrical wiring between the barrier and its controls.
- Supply of fixing accessories, according to existing ground nature (see installation plan n° ch3769).

Installation pattern



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