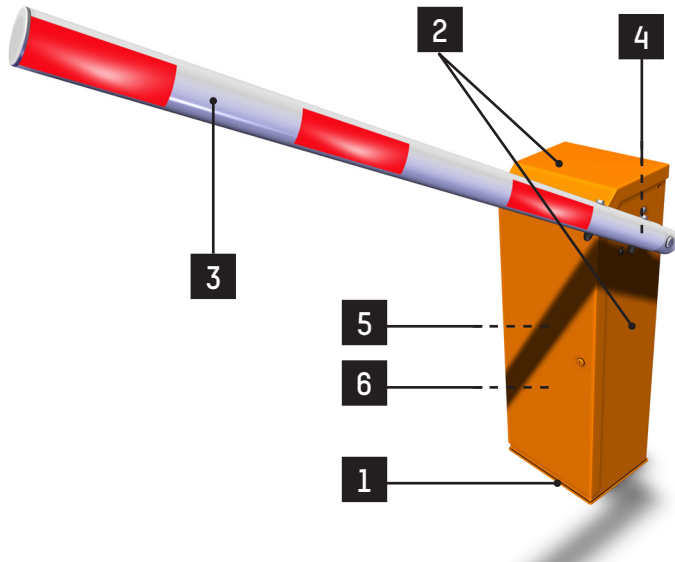


# BL 227

## Datasheet

Rev. 05 • Update 02/2020

**AUTOMATIC**  
SYSTEMS



The BL 227 rising barrier derives from highway's technologies and intends for a wide range of applications requiring perfect suitability for all types of traffic and access control, combined with reliability and robustness.

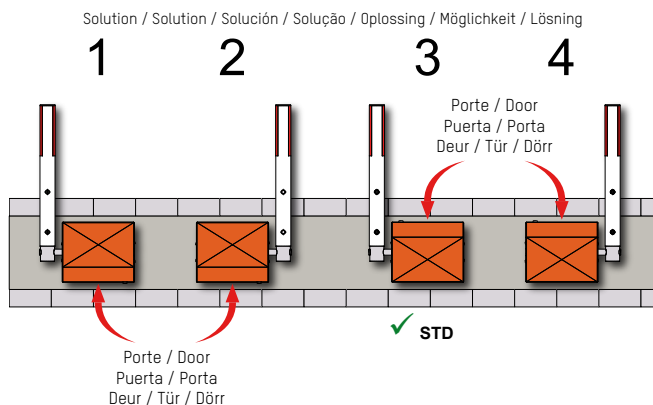
A large range of options and accessories is available to customize the BL 227 as you want.

### STANDARD RAL COLORS



*Note: These RAL references are available for free.*

### CONFIGURATIONS




### DESCRIPTION OF THE STANDARD EQUIPEMENT

1. Steel sole with anti-corrosion treatment with polyester paint.
2. Steel housing, door and hood with anti-corrosion treatment and polyester paint RAL 2000.
3. Round aluminium arm  $\varnothing$  75 mm, lacquered white (RAL 9010) with red reflective strips.
4. Drive shaft directly driven by reduction motor eliminating all complicated adjustments and the risk of breakdown.
5. Electromechanical assembly including:
  - Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced lifting.
  - Auto-aligning bearing block lubricated for life.
  - Variable frequency drive ensuring progressive accelerations, short circuit protection, grounding, overcurrent and thermal protection of the reduction motor.
  - Electronic limitation of the electromechanical assembly torque allowing immediate stopping of the arm during closing in case of an obstacle.
  - Balancing of the arm by means of compensating springs, according to the weight of the arm.
6. Electronic control board offering 12 inputs + 6 outputs + 2 relays configurables:
  - Adjustable opening and closing speed.
  - Arm position status (*open or closed*).
  - Technical fault information report.
  - Human/Machine interface with dipswitches, potentiometers, push button and Leds.
  - Ethernet interface.
  - Socket for presence detector (*2 loops*).
  - Communication with MODBUS form.



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## STANDARD TECHNICAL SPECIFICATION

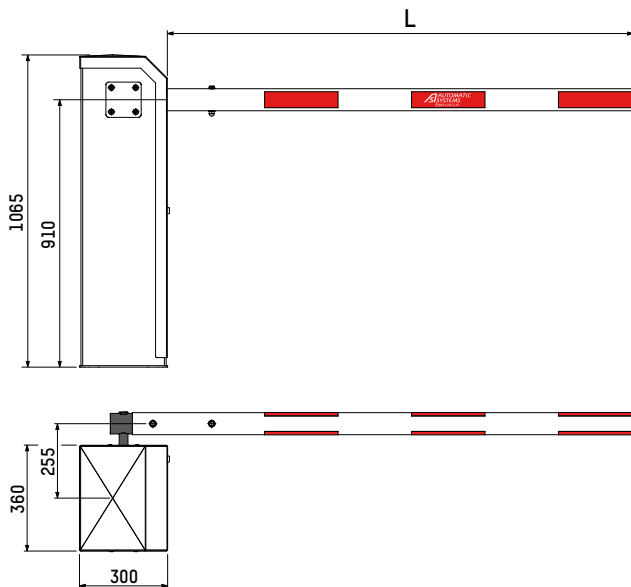
Electrical power supply	Single-phase 230 VAC - 50/60 Hz + ground <i>Note: not to be connected to an isolated ground network or a high impedance earthed industrial network.</i>
Consumption	During motion: 450 W max. At rest: 44 W ( <i>Depending of options</i> )
Motor	Tree-phased 230 V/250 W
Free passage (L)	from 2 to 6 m
Operating time	Adjustable from 1.5 to 3.5s ( <i>Allowing the passage of 1500 vehicles/h</i> )
Operating temperature	Entre -25 et +60°C
Relative humidity	95% max, without condensation
MCBF	Mean cycles between failures : 5.000.000, when respecting recommended maintenance.
Weight	80 kg ( <i>without arm</i> ) - Arm: 15 kg max
IP	44
	Conform to European standards.

## WORK TO BE PROVIDED BY THE CUSTOMER

- Adapted ground fastening.
- Power supply.
- Wiring towards eventual external peripherals.

*Note: respect the installation drawing.*

## STANDARD DIMENSIONS (MM)



## OPTIONAL

1. Articulated oval arm.
2. Folding rigid plastic skirt.
3. Back oval arm swing-off (*Arm swing-off detection device included*).
4. Automatic opening in case of power failure (*AVR*).
5. Tip support : standard, height adjustable, electromagnetic, folding or electrolocked.
6. Rotating base.
7. Information regarding the housing position.
8. Hood & door intrusion information - Dry contact.
9. Push button(s) box.
10. Fireman emergency opening - Antivandalism.
11. Programmable clock (*Weekly or yearly*).
12. Key switch on housing. (*Automatic / locked open /locked closed*)
13. Radio Transmitter/Receiver.
14. Inductive loop for vehicle detection.
15. Presence detector for detection loop.
16. Photoelectric cell for opening-closing-safety.
17. Cell support post.
18. Cell assembly on housing.
19. Ultrasonic detector.
20. Extension card for 8 inputs, 8 relays and 1 Presence detector connector.
21. Counter (totaling, with resetting).
22. Arm LED lighting (*not suitable with articulated arm*).
23. LED traffic lights.
24. Supporting post for traffic lights.
25. Supporting post for traffic lights - For swing-off - Fixed on barrier.
26. Acoustic alarm 100dB (*Fixed inside*).
27. Aluminum traffic sign ( $\varnothing 300$ ).
28. Led flashing light on hood.
29. Paint of another RAL color (*other than standard colors*).
30. Treatment for aggressive saline environment.
31. Raised base.
32. Power supply 120 V - 60 Hz.
33. Thermostatic heater for operation down to -45°C.
34. IP55 kit.

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