



LINEA CASA
PORTONI GARAGE
LINEA INDUSTRIALE
CHIUSURE AUTOMATICHE
SICUREZZA LOGISTICA



Insulated Roller Shutter with Electric Drive – General Description

Technical data

Product: Roller shutter (sections made of galvanized steel, double-skinned).

Installation in:

Walls made of:

- ▣ Masonry min. 120 mm
- ▣ Concrete min. 150 mm
- ▣ Steel
- ▣ Autoclaved aerated concrete min. 200 mm only with steel frame
- ▣ Wood min. 240 mm

Dimensions:

Ordering dimensions Width: 1000 – 12000 mm
 Height: 1000 – 12000 mm
 Larger doors on request.

Door curtain: Door curtain, consisting of hinge-like interconnected galvanized steel or aluminium profiles.

Profiles:

- ▣ Single-skinned aluminium: Width 6010: 93.2 mm
- ▣ Double-skinned aluminium: Width 4020: 100.0 mm
- ▣ Single-skinned steel: Width 6010: 93.2 mm
- ▣ Double-skinned steel: Width TecnoTeck: 93.5 mm

Surface:

- ▣ Galvanized steel
- ▣ Coil-coated steel

Window openings

- ▣ TecnoTeck synthetic glazing, crystal clear 150 mm x 55 mm.

Bottom seals: Double-skinned box profile made of mill-finish aluminium, with permanently elastic and frost-proof EPDM profile hose seal for a sealed bottom door edge.

End caps: Robust, wear and corrosion-free plastic parts for fixing the profiles.

Wind hooks: For high wind loads and/or large widths the doors are equipped with wind hooks and a reinforced bottom seal.

Guide rails: Robust steel profiles with wear-proof, easy-to-change plastic guides. Depth of the guide rail in acc. with DIN 18358.

Winding shaft: Prime coated steel tube in acc. with DIN 2458, with welded-in shafts on both sides for drive, anti-drop or bearing seat.

Header seal: As standard on the outside for doors with ventilation grilles, louvers or other types of ventilation.

Consoles: Made of galvanized steel. If desired, with sound insulation in acc. with DIN 4109

- Locking:** All locks connected to the door control unit via safety switches.
- ▣ Bottom seal can be locked on the inside via two locking rods
 - ▣ Bottom seal can be locked on the inside and outside via two locking rods
 - ▣ Night latch on the inside (locked via padlock)
 - ▣ Other types of locking mechanism on request

Drives: Direct mount drive with integrated anti-drop device or chain drive with separate anti-drop device and electric forced disconnection, (three-phase voltage) 400 V, 50 Hz, degree of protection IP 54, with emergency crank handle, maintenance-free. Other special voltages, degrees of protection or types of emergency operation available on request.

- Controls:** For direct mount and chain drives, fully wired ready for use and with CEE plug. The basic version can be locked and used as a deadman control, can be easily retrofitted with:
- ▣ Self-locking "CLOSE" in connection with a safety edge mechanism
 - ▣ Radio control.
 - ▣ Automatic closing (with traffic light)

Accessories for control units:

- ▣ Automatic closing (with traffic light) (additional photocells in the door travel area are recommended).
- ▣ Traffic light control/Two-way traffic
- ▣ Digital induction loop.

Without safety edge mechanism

Basic version, control voltage 24 V (safety low voltage), degree of protection IP 54, "Door closed" in deadman mode (permanent pressure), push buttons "Open-Stop-Closed".

With safety edge mechanism

Version with self-monitoring, electro-mechanical safety edge mechanism, control voltage 24 V (safety low voltage), degree of protection IP 54, "Door closed" and "Door open" in self-locking mode with push buttons "Open-Stop-Closed".

Special equipment: Permanent side part with integrated door. Pivoted side part with integrated door.

Roller box made of:

- ▣ galvanized sheet steel
- ▣ Other versions on request

Sloping bottom profile, aligned to the floor. Side or roof installation.