

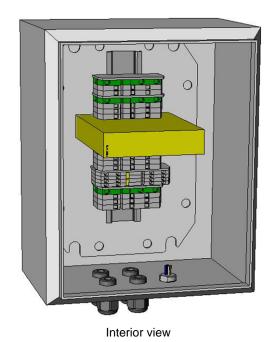
User documentation ver 1.0

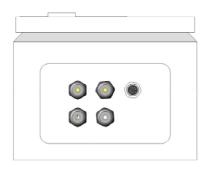


Views



Exterior view





Bottom view

Electrical supply

Voltage 24 VDC Current 4 A maximum

Short-circuit capacity 10 kA Electrical diagram 5058150-01

Physical dimension

Height 250 mm (enclosure) + 50 mm (glands)

Width 200 mm Depth 155 mm

Weigth 10 kg

Distance between wall fixing holes = 210 mm (vertically) and 160 mm (horizontally).

Features

Communication

- Terminal group for hardwired communication for controlling and supervising safety system
- M12-connector for optional Reset Maneuver box

Safety

 One safety group: safety relay disconnecting 24VDC power supply for pneumatic on/off valves

Interfaces

Power supply connection

24V_{DC} power supply X301-3

Rated cable area connection: 2.5 mm²

Safety relay connections

Safety outputs X330-1

Rated cable area connection: 2.5 mm²

Safety loop X340-1

Rated cable area connection: 2.5 mm²

Control box communication

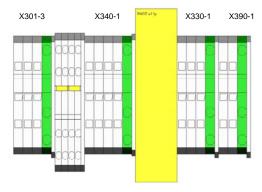
Fieldbus interface communication X390-1

Cross-section: Max. 2.5 mm² (with/without ferrule)

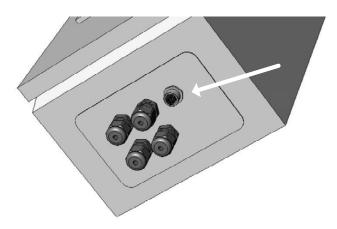
Maneuver box communication

Maneuver unit connections

Connector: M12, 4-pin, male, A-code



Terminal groups



Maneuver box communication interface

Applications

Connecting air supply valve

Connect terminals X330-1:7 (or X330-1:8) and 200L- to air supply valve. See image.

Connecting safety switch

Safety switch examples: gate switch, emergency switch, etcetera

The switch must have two NC-contacts.

Connect X340-1:3 to connection 11 of safety switch and X340-1:5 to connection 12 of safety switch.

Connect X340-1:4 to connection 21 of safety switch and X340-1:5 to connection 22 of safety switch.

Connecting Maneuver box

Instruction if the safety relay should be reset by Maneuver box:

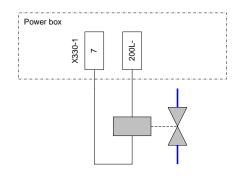
- Connect sensor cable's M12-connector to Power box.
- Connect cable's part 1 to pushbutton connection 13.
- Connect cable's part 2 to lamp connection 1.
- Connect cable's part 3 to lamp connection 2.
- Connect cable's part 4 to pushbutton connection 14.

Connecting fieldbus interface

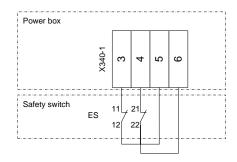
Instruction if the safety relay should be reset fieldbus interface:

- Connect output directly to terminal 1.
- Connect output directly to terminal 2.

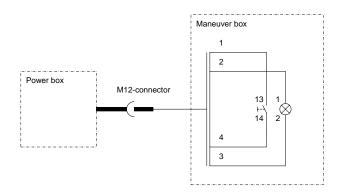
(Condition: Power supply of fieldbus interface are of same potentials as power supply of Power box.)



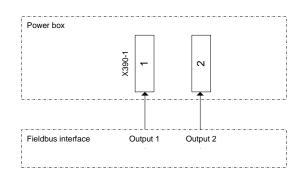
Connecting air supply valve



Connecting safety switch



Connecting Maneuver box



Connecting fieldbus interface



Spare parts list

Product: 5058150-01

Standard	Des.	Manufacturer	Туре	Order	FlexLink ID
name				number	
Safety relay	A330-1	Pilz		PNOZ e1.1p	5059678

