



## TESF/ST24.1/180

- 1 cable entries M 16 x 1.5
- with fixed switching angle
- 1 connector M12, 8-pole
- Metal enclosure
- Good resistance to oil and petroleum spirit
- For left or right hinged doors
- 141 mm x 115 mm x 21,5 mm
- Simple mounting, (30 ... 60 mm)

## Data

### Ordering data

eCl@ss number, Version 9.0	27-27-06-09
eCl@ss number, Version 11.0	27-27-06-09
ETIM number, version 6.0	EC002591
ETIM number, version 7.0	EC002591

### Approval - Standards

Certificates	IFA cULus CCC EAC
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### General data

Standards	EN 60947-5-1 BG-GS-ET-15
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Enclosure material	Zinc die-cast
Material of the contacts, electrical	Silver-nickel alloy 10
Colour of the housing	Black
Gross weight	840 g

### General data - Features

Mounting inside	Yes
Additional hinge	Yes
Number of auxiliary contacts	2
Number of safety contacts	2

### Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

### Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
B10d Normally open contact (NO)	1,000,000 Operations

### Mechanical data

Mechanical life, minimum	1,000,000 Operations
Positive break angle	14 °
Opening angle	180°

### Mechanical data - Connection technique

Terminal Connector	Plug-in connection, bottom
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## Mechanical data - Dimensions

Length of sensor	21.5 mm
Width of sensor	141 mm
Height of sensor	115 mm

## Ambient conditions

Degree of protection	IP65
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+65 °C

## Ambient conditions - Insulation value

Rated insulation voltage $U_i$	250 V
Rated impulse withstand voltage $U_{imp}$	0.8 kV

## Electrical data

Thermal test current	2.5 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1 A
Switching element	NO contact, NC contact
Switching principle	Creep circuit element
Switching frequency	1,200 /h

## Scope of delivery

Included in delivery	Additional hinge
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## Notes

Note (General)

Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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