



PS316-Z12-R300

- thermoplastic enclosure with foldable latching cover
- Quick connection technology as connection terminals rotated by 45°
- Simple and quick to adjust the control elements by 45°.
- cable entry 1 x M20 x 1,5
- Design to EN 50041

Data

Ordering data

EAN (European Article Number) 4030661502588

Approval - Standards

Certificates cULus
CCC
EAC

General data

Standards	IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	c
Enclosure material	Plastic, glass-fibre-reinforced
Material of the contacts, electrical	Silver
Gross weight	114 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
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)	20,000,000 Operations
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Mechanical data

Actuating element	Roller plunger S300
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	50 N
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	0.5 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.34 mm ²
Cable section, maximum	1.5 mm ²

Mechanical data - Dimensions

Length of sensor	37 mm
Width of sensor	41 mm

Height of sensor	117 mm
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Ambient conditions

Degree of protection	IP66 IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	300 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	5 A
Required rated short-circuit current to EN 60947-5-1	400 A
Utilisation category AC-15	240 VAC
Utilisation category AC-15	3 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	3 A
Switching element	1 NO contact, 2 NC contacts
Switching principle	Snap switch element
Switching frequency	5,000 /h

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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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