



PS116-Z02-ST-R200

- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67
- plastic roller Ø 9,5 mm

Data

Ordering data

EAN (European Article Number) 4030661453149

Approval - Standards

Certificates cULus
CCC
EAC

General data

Standards	IEC 60947-5-1
Terminal (mechanical)	bottom
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	c
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	76 g

General data - Features

Safety functions	Yes
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 R200
Mechanical life, minimum	10,000,000 Operations
Actuating force, minimum	10 N
Positive break force, minimum	40 N
Actuating speed, minimum	20 mm/min
Actuating speed, maximum	0.5 m/s

Mechanical data - Connection technique

Terminal Connector	Connector M12, 6-pole
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Mechanical data - Dimensions

Length of sensor	16.6 mm
Width of sensor	31 mm
Height of sensor	74.1 mm

Diameter of Castor	9.5 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	30 V
Rated impulse withstand voltage U_{imp}	0.8 kV

Electrical data

Thermal test current	2 A
Required rated short-circuit current to EN 60947-5-1	1,000 A
Utilisation category AC-15	240 VAC
Utilisation category AC-15	1.5 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1.5 A
Switching element	NO contact, NC contact
Switching principle	Snap switch element
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, maximum	5.5 ms

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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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