



Technical data

Standards:	EN 60947-5-1
Degree of protection:	IP66, IP67 to EN 60529
Protection class PS315 or PS316:	I or II, □
Degree of pollution:	3
Ambient temperature:	-30 °C ... +80 °C
- Low-temperature versions (ordering suffix -T-):	-40 °C ... +80 °C
Mechanical life:	> 10,000,000 operations
- Ordering suffix -Z..R- or -T-:	> 1,000,000 operations
Tightening torque:	
- Fixing screws PS315 or PS316:	2 Nm or 1.2 Nm
- Cover screw PS315:	2.6 Nm
- Contact screws:	0.6 Nm ... 0.8 Nm
Contact material:	Silver
- Ordering suffix A1,A2,A3:	Gold-plated contacts 0.3 µm, 1 µm, 3 µm
Cable section:	0.34 ... 1.5 mm ²
Settle length of the conductor:	5 ... 6 mm
Utilisation category AC-15, DC-13 I _g /U _e :	3 A / 240 VAC, 3 A / 24 VDC
- PS316 with M12 connector, 4-pole:	3 A / 240 VAC, 3 A / 24 VDC
- PS315 with M12 connector, 4-pole:	3 A / 50 VAC, 3 A / 24 VDC
- PS315/316 with M12 connector, 8-pole:	2 A / 30 VAC, 2 A / 24 VDC
Rated impulse withstand voltage U _{imp} :	4 kV
- M12 connector, 4-pole or 8-pole:	0.8 kV
Rated insulation voltage U _i :	300 V
- M12 connector, 4-pole or 8-pole:	50 VAC, 24 VDC
Thermal test current I _{the} :	
- Screw connection, 2 contacts or 3 contacts:	10 A or 5 A
- M12 connector, 4-pole or 8-pole:	4 A or 2 A
Max. fuse rating:	6 A gG D-fuse
Required short-circuit current:	400 A
B _{10D} NC contact to EN ISO 13849-1:	20.000.000

PS315...-ST: The power-source has to be an isolated Limited voltage/
Limited Current protected by maximum 3A and maximum
30Vdc, 42.4Vdc peak.

Electrical connection

The electrical connection may only be carried out by
authorised personnel in a de-energised condition.

Appropriate cable glands with a suitable degree of protection are to be
used. Pin assignment of versions with M12 connector shown in brackets.
All NC contacts have positive break ⊖.

Slow action		3 NC	Snap action	
1 NO / 1 NC			1 NO / 1 NC	
(1) 11 — 12 (2)	(1) 11 — 12 (5)	(2) 21 — 22 (4)	(3) 13 — 14 (4)	(1) 21 — 22 (2)
(3) 23 — 24 (4)	(6) 31 — 32 (7)			
1 NO / 2 NC	2 NO / 1 NC	1 NO / 2 NC		
(2) 11 — 12 (4)	(2) 11 — 12 (4)	(1) 13 — 14 (5)		
(6) 21 — 22 (7)	(1) 23 — 24 (5)	(2) 21 — 22 (4)		
(1) 33 — 34 (5)	(6) 33 — 34 (7)	(6) 31 — 32 (7)		
2 NC	2 NO	2 NC		
(3) 11 — 12 (4)	(3) 13 — 14 (4)	(3) 11 — 12 (4)		
(1) 21 — 22 (2)	(1) 23 — 24 (2)	(1) 21 — 22 (2)		

Connector ST
4-pole



8-pole
(PS315: Pin 3 = FE)



Enclosure without protective conductor

All electrical connections must be isolated from the mains
either with safety transformers in accordance with
IEC 61558-2-6 with output voltage limitation in the event of a
fault or by equivalent insulation measures.

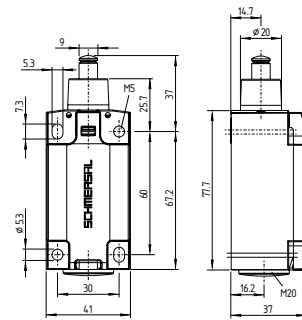
Mounting

The enclosure must not be used as an end stop.
Any mounting position. Dimensions in mm.

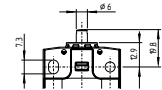


On latching position switches (ordering suffix -Z..R-), the latch
must be reset manually.

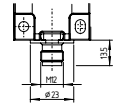
PS315...-S300
PS316...-S300



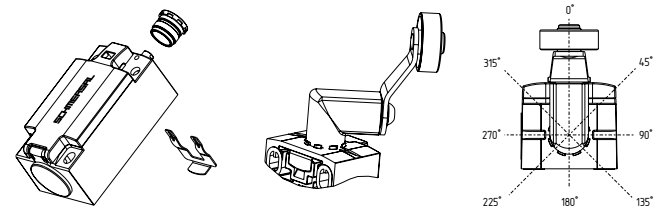
Basic switch, modular:
PS315...-S200
PS316...-S200



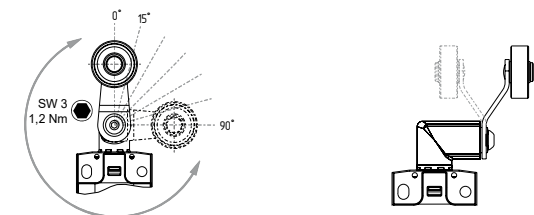
PS315...-ST
PS316...-ST



Actuation head (adjustable in increments of 45°)



Offset roller lever (adjustable in increments of 15°)



Observe country-specific regulations for installation, safety,
accident prevention and also rules governing proper disposal.



Further information along with the latest applicable declaration
of conformity can be found in the Schmersal catalogues or in
the online catalogue on the Internet products.schmersal.com.

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