

Safety switch sensor - PSR-CT-M-SEN-1-8 - 2702975

Technical data

Times

Risk time according to EN 60947-5-3	max. 125 ms (Stand-alone device)
Delay time	typ. 10 ms (Risk time delay per device)
Switch-on time	max. 400 ms (for the safety outputs)
Discrepancy time	max. 10 ms (between the safety outputs)
Test pulses	typ. 300 µs (Test pulse duration)
	approx. 100 ms (Test pulse interval)

General

Net weight	41.1 g
Mounting position	any
Mounting type	not flush
Minimum distance	140 mm (between two safety circuits)
	7 mm (between sensor and actuator when traveling in the Y-direction)
Assembly instructions	Note EN ISO 14119
	Maximum tightening torque to secure: 0.8 Nm
Degree of protection	IP65/IP67/IP69/IP69K
	IP67 (with SAC cabling)
Protection class	III
Short-circuit current	typ. 100 A (conditional short-circuit current)
Switching frequency	max. 1 Hz
Housing material	PBT
Housing color	yellow
Status display	2 LEDs

Connection data

Connection method	Connector
Connection technology	M12 connector
pluggable	no
Number of positions	8

Safety-related characteristic data

Designation	IEC 61508 - High demand
Safety Integrity Level (SIL)	3
Designation	EN ISO 13849
Performance level (PL)	e
Category	4

Standards and Regulations

Rated insulation voltage	max. 300 V
Rated surge voltage	max. 1.5 kV
Degree of pollution	3
Vibration (operation)	in accordance with EN 60947-5-2
EMC conformance	EN 60947-5-3

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Environmental Product Compliance

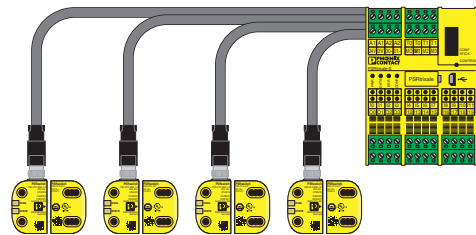
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

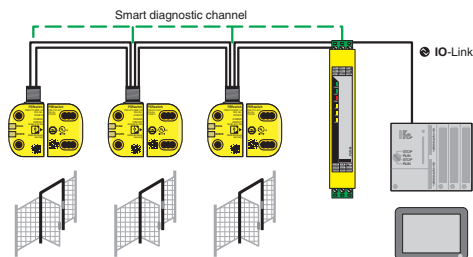
Application drawing



Application drawing



Application drawing



Dimensional drawing

