

# Safety switch sensor - PSR-CT-F-SEN-1-8 - 2702976

## Technical data

### Times

Switch-on delay	typ. 5 s (after switching $U_B$ on)
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 $\mu$ s (Test pulse duration)
	approx. 100 ms (Test pulse interval)

### General

Net weight	41.3 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

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EMC conformance	EN 60947-5-3
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Application drawing

