

Proximity sensor SMTSO-1-PS-S-LED-24

Part number: 30441

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Design	Block design
Based on norm	EN 60947-5-2
Symbol	00991153
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Special features	Welding field resistant Resistant to welding spatter
Note on materials	RoHS-compliant
Measured variable	Position
Measuring principle	Magneto-inductive
Ambient temperature	-25 °C ... 70 °C
Repetition accuracy	0.2 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.1 mm ... 1.5 mm
On time	35 ms
Switch-off time	20 ms
Max. switching frequency	20 Hz
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	3 V
Inductive protective circuit	Adapted to MZ, MY and ME coils
Residual current	0.01 mA
Short-circuit protection	Pulsed
Overload protection	Available
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991168
Connection outlet orientation	Longitudinal

Feature	Value
Material of pin contacts	Brass, gold-plated
Type of mounting	With accessories
Mounting position	Any
Product weight	70 g
Housing material	PUR Die-cast zinc
Ready status indication	LED green
Switching status indication	LED yellow
Degree of protection	IP67
Resistance to interference from magnetic fields	50 - 60 Hz Alternating magnetic field
LABS (PWIS) conformity	VDMA24364-B2-L