

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 standard	EN 60947-5-2
Symbol	00991153
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Special characteristics	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
Switch-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, ME coils
Off-state current	0.01 mA
Short circuit current rating	Pulsed
Overload protection	Available
Operational voltage range DC	10 V ... 30 V
Residual ripple	10%
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection pattern	00991168
Connection outlet orientation	In-line

Feature	Value
Material electrical contact	Gold-plated brass
Type of mounting	With accessories
Mounting position	Any
Product weight	70 g
Material housing	PUR Die-cast zinc
Ready status indication	Green LED
Switching status indication	Yellow LED
Degree of protection	IP67
Immunity to magnetic fields	50 - 60 Hz Alternating magnetic field
LABS (PWIS) conformity	VDMA24364-B2-L