

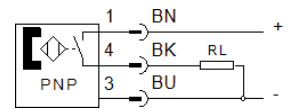
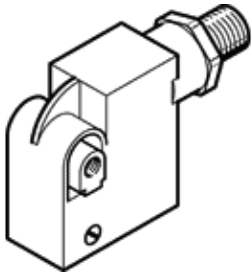
Proximity Sensor

SMTSO-1-PS-S-LED-24

Part number: 30441

FESTO

in welding-field-immune design, with light emitting diode and integrated protective circuit, without mounting kit.



Data sheet

Feature	Value
Design	Block design
Based on the standard	EN 60947-5-2
Authorization	RCM Mark
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Special characteristics	Welding field immune Resistant to welding spatter
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Magnetic inductive
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.2 mm
Switch output	PNP
Switching element function	Normally open contact
Hysteresis	0.1 ... 1.5 mm
Switch-on time	35 ms
Switch-off time	20 ms
Max. switching frequency	20 Hz
Max. output current	200 mA
Max. contact rating DC	6 W
Voltage drop	3 V
Inductive protective circuit	Adapted to MZ-, MY-, ME coils
Residual current	0.01 mA
Short circuit strength	Pulsing
Overload withstand capability	Available
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Connector exit direction	axial
Material electrical contact	Brass, gold-plated
Mounting type	with accessories
Assembly position	Any
Product weight	70 g
Material housing	PA PUR Zinc die-casting
Ready status display	Green LED

Feature	Value
Operating status display	Yellow LED
Protection class	IP67
Interference immunity to magnetic fields	50 - 60 Hz AC magnetic field
PWIS conformity	VDMA24364-B2-L