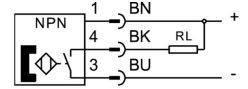


Proximity sensor SMTSO-8E-NS-M12-LED-24

Part number: 175825

FESTO



Data sheet

Feature	Value
Type code	SMTSO
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00995573
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, connection type	Plug
Repetition accuracy	0.2 mm
Electrical connection 1, number of pins/wires	3
Design	for T-slot
Symbol	00991150
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Special features	Welding field resistant Resistant to welding spatter
Note on materials	Free of copper and PTFE
Measuring principle	Magneto-inductive
Ambient temperature	-25 °C ... 70 °C
Switching output	NPN
Switching element function	N/O contact
On time	≤38 ms
Switch-off time	≤20 ms
Max. output current	200 mA
Max. switching capacity DC	6 W
Voltage drop	≤3 V
Residual current	≤0.01 mA
Short-circuit protection	Pulsed
Overload protection	Available
DC operating voltage range	10 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Connection outlet orientation	Transverse
Type of mounting	Clamped in T slot With accessories Can be inserted in slot from above
Max. tightening torque	0.5 Nm
Product weight	10 g

Feature	Value
Housing material	Wrought aluminum alloy PA PUR High-alloy stainless steel
Switching status indication	LED yellow
Degree of protection	IP65 IP67
Resistance to interference from magnetic fields	45 - 65 Hz Alternating magnetic field