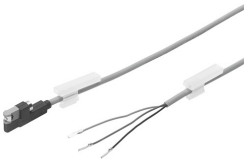
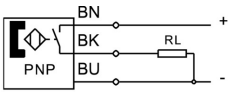
Proximity sensor
SMT-10G-PS-24V-E-2,5Q-OE

Part number: 547862





Data sheet

Feature	Value
Type code	SMT
Electrical connection 1, connection technology	Open end
Electrical connection 1, connection type	Cable
KC characters	KC EMC
Electrical connection 1, number of pins/wires	3
Symbol	00991152
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	RoHS-compliant
Measuring principle	Magneto-resistive
Ambient temperature	-20 °C ... 70 °C
Switching output	PNP
Switching element function	N/O contact
Reproducibility of switching value	0.2 mm
Max. output current	100 mA
Max. switching capacity DC	2.8 W
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	10 V ... 30 V
Reverse polarity protection	for all electrical connections
Connection outlet orientation	Transverse
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: › 300 000 cycles, ±270°/0.1 m
Cable length	2.5 m
Cable characteristic	Suitability for energy chains/robot applications
Material of cable sheath	TPE-U(PU)
Type of mounting	Clamped in round slot Can be inserted in slot lengthwise
Housing material	PA-reinforced
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Degree of protection	IP65 IP68