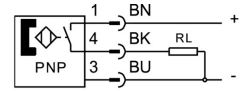


Proximity sensor CRSMT-8M-PS-24V-K-0,3-M12

Part number: 574382

FESTO



Data sheet

Feature	Value
Type code	CRSMT
Design	for T-slot
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 explosion protection directive (ATEX)
KC characters	KC EMC
Explosion prevention and protection	Zone 2 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 3G
Type of ignition protection for gas	Ex nA IIC T4 X Gc
ATEX category for dust	II 3D
Type of (ignition) protection for dust	Ex tc IIIC T120°C X Dc
Explosive ambient temperature	-40°C ≤ Ta ≤ +85°C
Special features	Resistant to cooling lubricants Alkali-proof Acid-proof
Note on materials	RoHS-compliant Halogen-free
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-40 °C ... 85 °C
Repetition accuracy	0.2 mm
Switching output	PNP
Switching element function	N/O contact
On time	≤1 ms
Switch-off time	≤1 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. switching capacity DC	2.8 W
Voltage drop	<1.5 V
Minimum load current	0 mA
Residual current	<0.05 mA
Short-circuit protection	yes
Overload protection	Available
Rated operating voltage DC	24 V

Feature	Value
DC operating voltage range	5 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00995573
Connection outlet orientation	Longitudinal
Material of pin contacts	Brass Nickel-plated and gold-plated
Material of plug housing	PP
Connector cable test conditions	Flexural strength: as per Festo standard Cable chain: 5 million cycles, bending radius 75 mm Torsional resistance: > 300 000 cycles, ±270°/0.1 m
Cable length	0.3 m
Cable characteristic	Standard + cable chain
Color cable sheath	Gray
Material of cable sheath	TPE-O
Insulating sheath material	PP
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.6 Nm
Mounting position	Any
Product weight	9.1 g
Housing colour	Black
Housing material	PA PP High-alloy stainless steel
Material of union nut	Brass, nickel-plated
Switching status indication	LED yellow
Function reserve indication	LED orange
Ambient temperature with flexible cable installation	-20 °C ... 85 °C
Degree of protection	IP65 IP68 IP69K
For use in the food industry	See supplementary material information