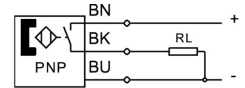


Proximity sensor CRSMT-8M-PS-24V-K-10,0-OE

Part number: 574381

FESTO



Data sheet

Feature	Value
Design	For T-slot
Based on standard	EN 60947-5-2
Symbol	00991152
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive To EU Explosion Protection Directive (ATEX)
KC mark	KC-EMV
Explosion protection	Zone 2 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 3G
Explosion ignition protection type for gas	Ex nA IIC T4 X Gc
ATEX category dust	II 3D
Explosion ignition protection type for dust	Ex tc IIIC T120°C X Dc
Explosion ambient temperature	-40°C ≤ Ta ≤ +85°C
Special characteristics	Resistant to cooling lubricants Alkali resistant Acid resistant
Note on materials	RoHS-compliant Free of halogen
Instructions on use	Support / actuator-sensor overview "The right sensor for the actuator"
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
Switch-on time	≤1 ms
Switch-off time	≤1 ms
Max. switching frequency	180 Hz
Max. output current	100 mA
Max. output current using mounting kits	100 mA
Max. switching capacity DC	2.8 W
Max. switching capacity DC using mounting kits	2.8 W
Voltage drop	<1.5 V
Inductive protective circuit	Adapted to MZ, MY, ME coils
Min. load current	0 mA
Off-state current	<0.05 mA

Feature	Value
Short circuit current rating	yes
Overload protection	Available
Rated operational voltage DC	24 V
Operational voltage range DC	5 V ... 30 V
Residual ripple	10 %
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	3
Connection outlet orientation	In-line
Test conditions cable	Bending strength: to Festo standard Energy chain: 5 million cycles, bending radius 75 mm Torsional resistance: > 300,000 cycles, ± 270°/0.1 m
Cable length	10 m
Cable characteristic	Standard + energy chain
Cable sheath colour	grey
Material cable sheath	TPE-O
Material insulating sheath	PP
Wire ends	Wire end sleeve
Type of mounting	Screw-clamped Insertable in the slot from above
Tightening torque	0.1 Nm ... 0.6 Nm
Max. tightening torque	0.6 Nm
Mounting position	optional
Product weight	93.4 g
Housing colour	Black
Material housing	PA PP High-alloy stainless steel
Switching status indication	Yellow LED
Function reserve indication	Orange LED
Ambient temperature with moving cable	-20 °C ... 85 °C
Degree of protection	IP65 IP68 IP69K
Immunity to magnetic fields	Design insensitive to permanent magnetic fields < Bon
PWIS conformity	VDMA24364-B2-L
Suitable for use with food	See supplementary material information