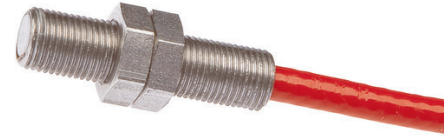


KB050180

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M5x0.5 20long, Flush, Sn: 1, 10-35V DC, -55-125°C, 1x PNP NO, Cable 2m PVC, IP67, V2A



MECHANICAL FEATURES

Active area material of sensor	Polytetrafluorethylene (PTFE)
Ambient temperature	-55 °C ... 125 °C
Ambient temperatures < -25°C	+
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel (V2A)
Increased ambient temperatures > 80°C	+
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Number of cores	4
Pressure-proof	-
Sensor length	20 mm
Thread length	17 mm
Thread pitch	0.5 mm
Thread size, metric	5
Wire cross section	0.14 mm ²

ELECTRICAL FEATURES

Cascadable	-
Hysteresis	10 %
No-load current	10 mA
Number of switching outputs	1
Rated control supply voltage U_s at DC	10 V ... 35 V
Rated switching current	250 mA
Residual ripple	5 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	0.8 mm
Switching distance (MAX)	1 mm
Switching frequency	50 Hz

ELECTRICAL FEATURES

Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2.5 V
Voltage type	DC
With monitoring function of downstream devices	-

OTHER FEATURES

Level detection	+
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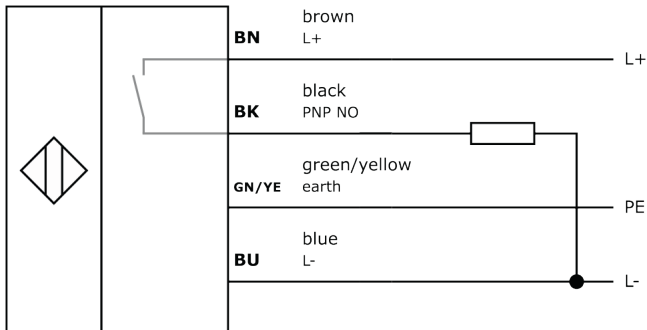
Other

Packaging dimensions	124.0mm x 28.0mm x 149.0mm
Shipping weight	0.11kg
Tariff code	85365019

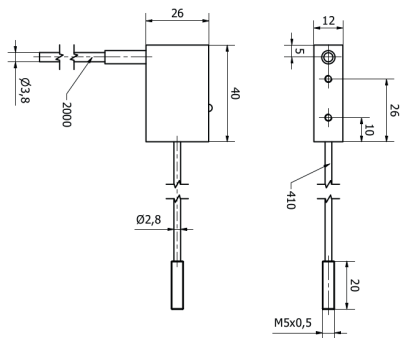
Classification

ipf product group	243
eClass 8.0	27270102
eClass 9.0	27270102
eClass 9.1	27270102
ETIM-5.0	EC002715
ETIM-6.0	EC002715
ETIM-7.0	EC002715

Connection



Dimensional drawing



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information. Never use these devices in applications where the safety of a person depends on their functionality. LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.