KB120400

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M12x1 50long, Flush, Sn: 6, 10-35V DC, 2x PNP Anticoincidence, Cable 2m PVC, IP67, V2A, LED, Manual adjustment



MECHANICAL FEATURES

Active area material of sensor	Polytetrafluorethylene (PTFE)
Ambient temperature	-25 °C ... 70 °C
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel (V2A)
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Number of cores	4
Pressure-proof	-
Sensor length	50 mm
Thread length	37 mm
Thread pitch	1 mm
Thread size, metric	12

ELECTRICAL FEATURES

Cascadable	-
Correction factor (glass)	0.6
Correction factor (oil)	0.5
Correction factor (PVC)	0.5
Correction factor (wood)	0.6
Hysteresis	15 %
No-load current	15 mA
Number of switching outputs	2
Rated control supply voltage Us at DC	10 V ... 35 V
Rated switching current	250 mA
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	2 mm
Switching distance (MAX)	6 mm

ELECTRICAL FEATURES

Switching frequency	500 Hz
Type of electrical connection	Cable
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

OTHER FEATURES

Level detection	+

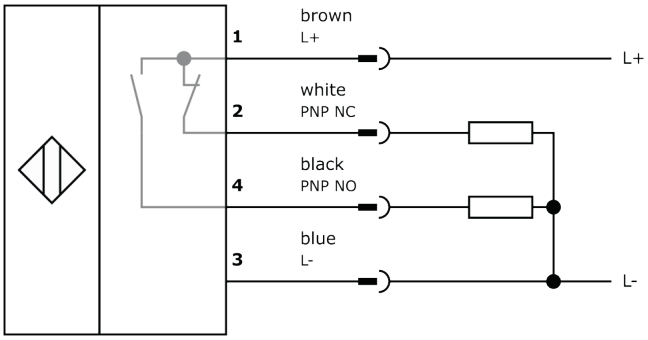
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.08kg
Tariff code	85365019

Classification

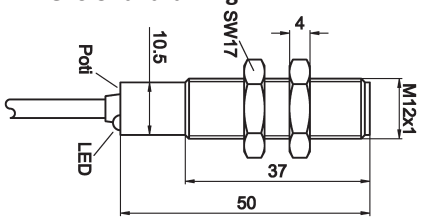
ipf product group	243
eClass 8.0	27270102
eClass 9.0	27270102
eClass 9.1	27270102
ETIM-5.0	EC002715
ETIM-6.0	EC002715
ETIM-7.0	EC002715

Connection



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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.