

KB300120

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M30x1.5 82long, Flush, Sn: 0.5-25, 10-35V DC, PNP NO, Connector M12 3pin, IP67, Brass Nickel-plated, LED, Manual adjustment



MECHANICAL FEATURES

Active area material of sensor	Polytetrafluorethylene (PTFE)
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor diameter	30 mm
Sensor length	82 mm
Thread length	55 mm
Thread pitch	1.5 mm
Thread size, metric	30

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 pins	3
Operating voltage	10 V ... 35 V
Rated control supply voltage U_s at DC	10 V ... 35 V
Rated switching current	250 mA
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching distance	10 mm
Switching distance	0.5 mm ... 25 mm
Switching frequency	200 Hz
Type of electrical connection	Connector M12

ELECTRICAL FEATURES

Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+

OTHER FEATURES

Level detection	+
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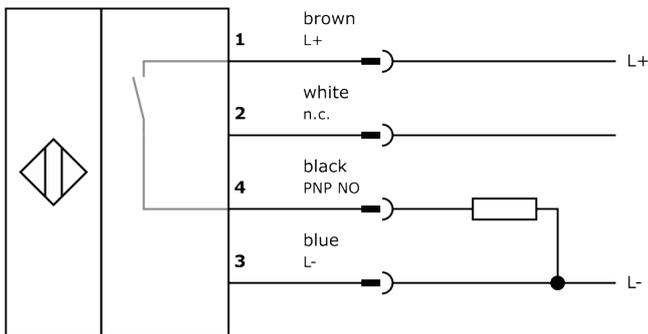
Other

Packaging dimensions	43.0mm x 43.0mm x 105.0mm
Shipping weight	0.15kg
Tariff code	85365019

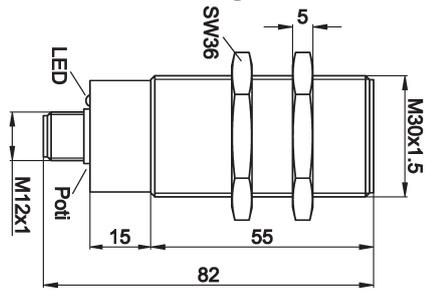
Classification

ipf product group	240
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.