KB180120

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M18x1 84long, Flush, Sn: 0.5-10, 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 length	84 mm
Thread length	55 mm
Thread pitch	1 mm
Thread size, metric	18

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
Rated control supply voltage Us at DC	10 V ... 35 V
Rated switching current	400 mA
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	5 mm
Switching distance	0.5 mm ... 10 mm
Switching frequency	300 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	+
With monitoring function of downstream devices	-

OTHER FEATURES

Level detection	+

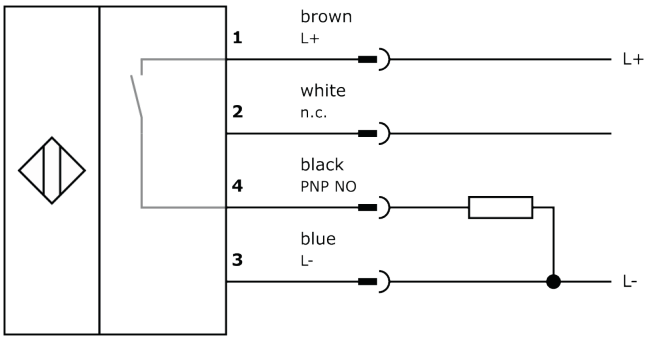
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.09kg
Tariff code	85365019

Classification

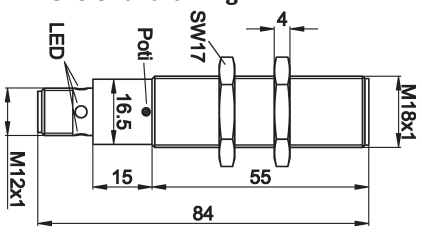
ipf product group	240
eClass 8.0	27270102
eClass 9.0	27270102
eClass 9.1	27270102
ETIM-5.0	EC002715
ETIM-6.0	EC002715
ETIM-7.0	EC002715

Connection



ipf electronic gmbh • Rosmarter Allee 14 • 58762 Altena | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf.de • **www.ipf.de**

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.