

KN180420
CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M18x1 84long, Non-flush, Sn: 0.5-15, 10-35V DC, 2x PNP Anticoincidence, Connector M12 4pin, 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	Non-flush
Pressure-proof	-
Sensor length	84 mm
Thread length	44 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	4
Number of switching outputs	2
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	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	8 mm
Switching distance	0.5 mm ... 15 mm
Switching frequency	50 Hz

ELECTRICAL FEATURES

Type of electrical connection	Connector M12
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	+
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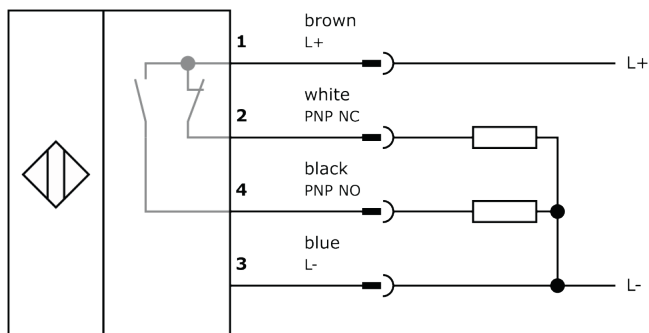
Other

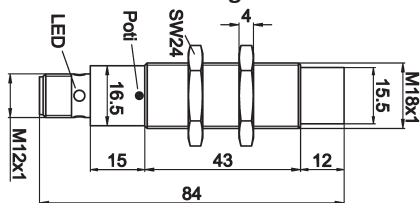
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.08kg
Tariff code	85365019

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



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.