KN080170

CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M8x1 54long, Non-flush, Sn: 0.1-3, 11-30V DC, PNP NO, Connector M8 3pin, IP65, V2A, LED, Manual adjustment

MECHANICAL FEATURES

Active area material of sensor	PTFE
Ambient temperature	-10 °C ... 70 °C
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing material	Stainless steel (V2A)
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	-
Sensor length	54 mm
Thread length	39 mm
Thread pitch	1 mm
Thread size, metric	8

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	11 V ... 30 V
Rated switching current	50 mA
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	11 V ... 30 V
Switching distance	3 mm
Switching distance	0.1 mm ... 3 mm
Switching frequency	100 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact

ELECTRICAL FEATURES

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	+

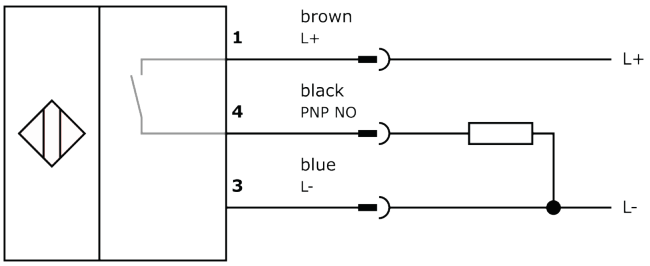
Other

Packaging dimensions	75.0mm x 17.0mm x 95.0mm
Shipping weight	0.03kg
Tariff code	85365019

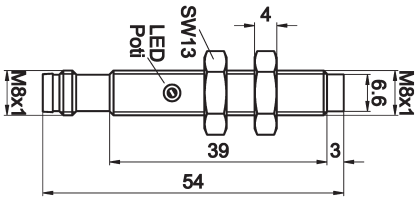
Classification

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

Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our

homepage: www.ipf-electronic.com

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.