

**KN120100**
**CAPACITIVE SENSORS • NORM SWITCHING DISTANCE**

sensor capacitive, M12x1 50long, Non-flush, Sn: 0.5-10, 10-35V DC, PNP NO, 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	Non-flush
Number of cores	3
Pressure-proof	-
Sensor length	50 mm
Thread length	45 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
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	4 mm
Switching distance	0.5 mm ... 10 mm
Switching frequency	50 Hz

## ELECTRICAL FEATURES

Type of electrical connection

Cable

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

0.07kg

Tariff code

85365019

## Classification

ipf product group

240

eClass 8.0

27270102

eClass 9.0

27270102

eClass 9.1

27270102

ETIM-5.0

EC002715

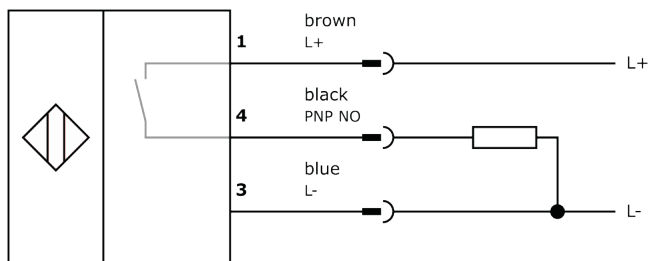
ETIM-6.0

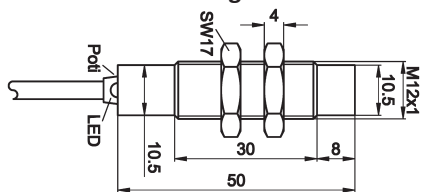
EC002715

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.