Capacitive proximity sensors

CFAM 18P1600

Capacitive proximity sensors

Article number: 10236458

Overview

- 8 mm
- PNP make function (NO)
- potentiometer, 12 turn
- cable, 2 m
- -25 … 75 °C
- IP 65

Picture similar

Technical data

General data	
Nominal sensing distance Sn	8 mm
Nominal sensing distance Sn adjustable	2 … 8 mm
Mounting type	Flush
GND electrode	Yes
Temperature drift	± 15 % (+10 ... +70 °C)
Sensitivity adjustment	Potentiometer, 12 turn
Output indicator	LED yellow
Measurement type	Contactless
Field of application	
Detection of non-conductive media	Yes
Fill level detection through container	Yes
Liquids in direct contact	No
Object detection / bulk goods	Yes

Electrical data	
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	20 mA
Output circuit	PNP make function (NO)
Output current	< 200 mA
Voltage drop Vd	< 1.5 VDC
Switching frequency	50 Hz
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Type	Cylindrical threaded
Housing material	Brass nickel plated
Dimension	18 mm
Housing length	64 mm
Connection types	Cable, L=2 m
Ambient conditions	
Operating temperature	-25 … +75 °C
Protection class	IP 65

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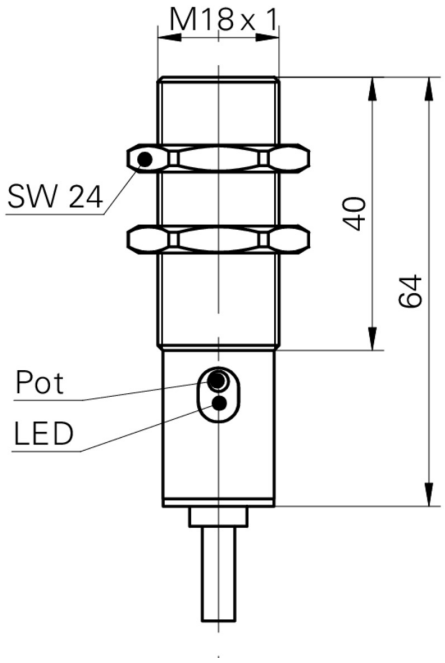
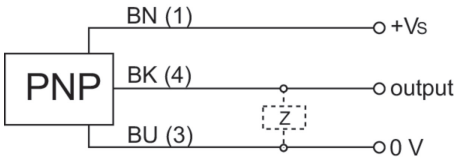
Dimension drawing



Connection diagram



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