

KN086050

Capacitive sensors • Increased ambient temperature

sensor capacitive, M8x1 25long, Non-flush, Sn: 10, 250°C, Amplifier Amplifier, Cable 2m FEP, IP67, V2A

including 2x Nut



Capacitive proximity switches are contact-free sensors. They detect metallic and non-metallic objects, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material, its dimensions and the response sensitivity, which is set via a potentiometer. The vibration-resistant sensors can be approached laterally or frontally. Capacitive proximity switches are used for presence detection (e.g. sealing detection), positioning (e.g. PET bottles), counting (e.g. plastic caps), level detection (e.g. lubricant) or distance measurements (e.g. thickness measurement) of solid and liquid materials.

Electrical features

Type of switching function	Amplifier
Type of electrical connection	Cable
Type of switching output	Amplifier
Short-circuit protection	Yes
Switching distance	10mm
Reverse polarity protection	Yes

Mechanical features

Design	Cylinder, screw-thread
Thread pitch	1mm
Cable length	2m
Length	25mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP67
Housing material	Stainless steel (V2A)
Material of cable sheath	Plastic (FEP)
Thread dimension	M8
Ambient temperature	250°C

Other features

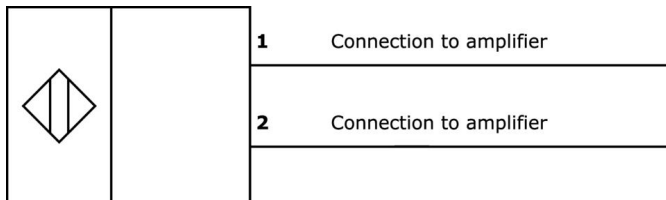
Level detection	Yes
Reference medium / object	Material with permittivity $\epsilon_r=81$
Ambient temperature	250°C

Classification

ETIM 8	EC002715 Capacitive proximity switch
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More

IPF Product Group	242 capacitive sensors (high temperature)
packaging dimensions	123 x 77 x 25 mm
gross weight	76 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

Dimensional drawing

