KN326050

Capacitive sensors ● Increased ambient temperature

sensor capacitive, M32x1.5 70long, Non-flush, Sn: 5-120, 250°C, Amplifier Amplifier, Cable 2m FEP, IP67, Stainless steel 1.4305

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	5 - 120mm
Reverse polarity protection	Yes

Mechanical features

Design	Cylinder, screw-thread
Thread pitch	1.5mm
Cable length	2m
Length	70mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP67
Housing material	Stainless steel 1.4305
Material of cable sheath	Plastic (FEP)
Thread dimension	M32
Ambient temperature	250°C

Other features

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

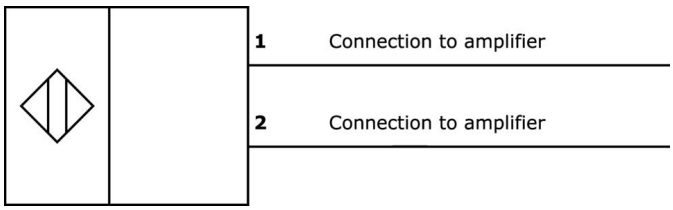
Classification

ETIM 8	EC002715 Capacitive proximity switch

More

IPF Product Group	242 capacitive sensors (high temperature)
packaging dimensions	121 x 76 x 50 mm
gross weight	330 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