

IN18A584

Inductive sensors • atmospheric-change resistant

sensor inductive, M18x1 75long, Non-flush, Sn: 7, 10-33V DC, -55-60°C, PNP NO, Cable 2m FEP, IP69K, V4A

including 2x Nut



Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.

Electrical features

Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	200mA
Short-circuit protection	Yes
No-load current	4mA
Line diameter	4.6mm
Switching distance	7mm
Switching frequency	1000Hz
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 33V

Mechanical features

Conductor cross-section	0.75mm ²
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	35mm
Thread pitch	1mm
Cable length	2m
Cable infeed	axial
Length	75mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP69K
Active area material of sensor	Plastic (PTFE)
Housing material	Stainless steel 1.4571
Material of cable sheath	Plastic (FEP)
Thread dimension	M18
Ambient temperature	-55 - 60°C

Other features

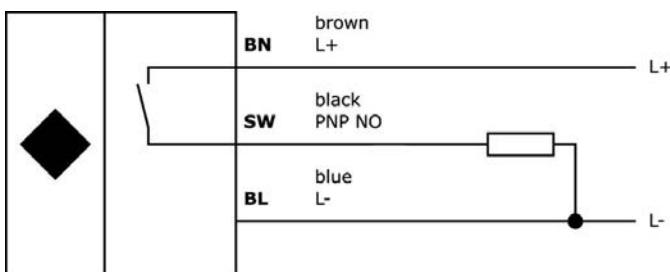
Reference medium / object	Standard measuring plate FE360 18x18x1mm
Ambient temperature	-55 - 60°C

Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	212 inductive sensors (unaffected by atmospheric changes)
packaging dimensions	149 x 124 x 28 mm
gross weight	150 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.