IB300155

Inductive sensors ● Increased ambient temperature

sensor inductive, M30x1.5 70long, Flush, Sn: 10, 10-35V DC, 0-130°C, PNP NO, Cable 2m Silicone, IP65, Stainless steel 1.4305

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

Response/decay time	2.5ms
Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	150mA
Readiness delay	6ms
Relative hysteresis	15%
Correction factor (aluminum)	0.3
Correction factor (copper)	0.2
Correction factor (brass)	0.4
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Short-circuit protection	Yes
No-load current	15mA
Line diameter	5mm
Relative repeat accuracy	3%
Residual ripple	10%
Switching distance	10mm
Switching frequency	200Hz
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 35V

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Mechanical features

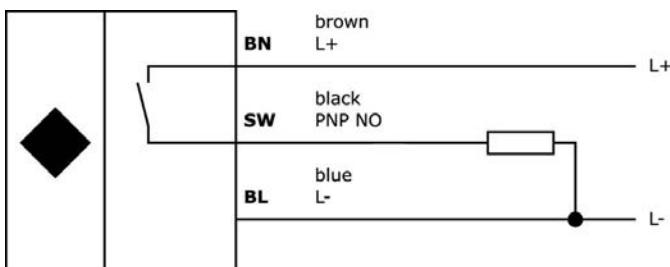|	
Number of cores	3
Conductor cross-section	0.25mm²
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	60mm
Thread pitch	1.5mm
Cable length	2m
Cable infeed	axial
Length	70mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP65
Active area material of sensor	Plastic (Vectra®)
Housing material	Stainless steel 1.4305
Material of cable sheath	Silicone
Thread dimension	M30
Ambient temperature	0 - 130°C

Other features

Reference medium / object	Standard measuring plate FE360 30x30x1mm
Ambient temperature	0 - 130°C

Classification

ETIM 8	EC002714 Inductive proximity switch

More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	149 x 124 x 35 mm
gross weight	250 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

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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

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