

IB090102

Inductive sensors • Norm switching distance

sensor inductive, 40x8x8mm, Flush, Sn: 1.5, 10-30V DC, PNP NO, Cable 10m PVC, IP67, Brass Nickel-plated



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
Relative hysteresis	5%
Short-circuit protection	Yes
No-load current	10mA
Switching distance	1,5mm
Switching frequency	1000Hz
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

Mechanical features

Number of cores	3
Design	Cuboid
Width	8mm
Height	40mm
Cable length	10m
Cable infeed	axial
Length	8mm
Maximum tightening torque	1Nm
Mechanical mounting condition for sensor	flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PA6.1, glass fiber reinforced 15%)
Housing material	Brass
Material of cable sheath	Plastic (PVC)
Ambient temperature	-25 - 70°C

Other features

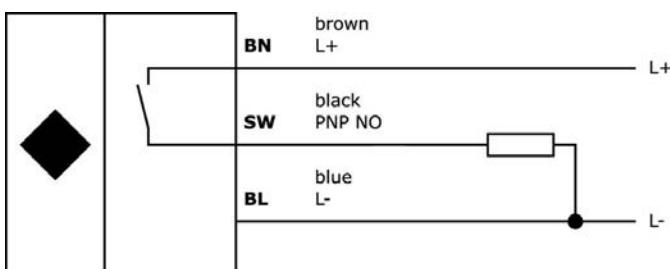
Ambient temperature	-25 - 70°C
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Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	215 inductive sensors (cuboid)
packaging dimensions	121 x 76 x 50 mm
gross weight	163 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
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