

IN080226

Inductive sensors • Increased switching distance

sensor inductive, M8x1 66long, Non-flush, Sn: 6, 10-30V DC, PNP NC, Connector M12 4pin, IP67, Brass Chrome-plated

including 2x Nut, 2x Toothed washer



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 closed contact (NC)
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200mA
Relative hysteresis	10%
Correction factor (aluminum)	0.4
Correction factor (copper)	0.44
Correction factor (brass)	0.55
Correction factor (St37)	1
Correction factor (stainl. steel)	0.77
Short-circuit protection	Yes
No-load current	10mA
Number of pins	4
Relative repeat accuracy	5%
Switching distance	6mm
Switching frequency	500Hz
Voltage drop	2V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	42mm
Thread pitch	1mm
Cable infeed	axial
Length	66mm
Mechanical mounting condition for sensor	non-flush
Surface	Chrome-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBTP)
Housing material	Brass
Thread dimension	M8
Ambient temperature	-25 - 70°C

Other features

Reference medium / object	Standard measuring plate FE360 18x18x1mm
Ambient temperature	-25 - 70°C

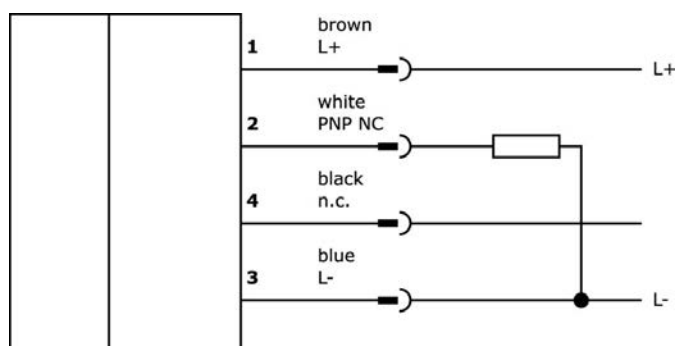
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	201 inductive sensors (plus / super plus)
packaging dimensions	120 x 100 x 17 mm
gross weight	30 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



