IB991153

Inductive sensors ● Increased ambient temperature

sensor inductive, M8x1 56long, Flush, Sn: 2, 10-30V DC, -25-120°C, PNP NO, Cable connector M8 3pin 0.3m Polytetrafluorethylene (PTFE), IP67, Stainless steel

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

Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable connector M8
Type of switching output	PNP
Rated switching current	200mA
Relative hysteresis	15%
No-load current	20mA
Number of pins	3
Relative repeat accuracy	5%
Residual ripple	10%
Switching distance	2mm
Voltage drop	1.5V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

Mechanical features

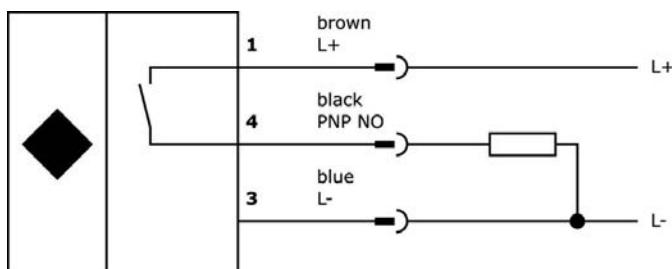|	
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	55.5mm
Thread pitch	1mm
Cable length	0.3m
Cable infeed	axial
Length	55.5mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	Stainless steel
Material of cable sheath	Plastic (PTFE)
Thread dimension	M8
Ambient temperature	-25 - 120°C

Other features

Reference medium / object	Standard measuring plate FE360 8x8x1mm
Ambient temperature	-25 - 120°C

Classification

ETIM 8	EC002714 Inductive proximity switch

More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	120 x 100 x 25 mm
gross weight	23 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

	brown L+	
1		L+
4	black PNP NO	
3	blue L-	L-

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.