IN991070

Inductive sensors ● Increased ambient temperature

Sensor inductive, M80x1.5 66long, non-flush, Sn: 50, 10-35V DC, -25-160°C, PNP NO, cable tail 2m silicone, IP67, stainl. steel

including Nut



Inductive proximity switches are contactless sensors. They detect all conductive metals, regardless of whether they are moving or not. The switching distance that the devices can achieve depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or from the front. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. oven flaps), counting (e.g. nuts / screws), speed detection (e.g. on gear wheels), on conveyor systems (e.g. hose feeds) or distance measurement (e.g. press-fit inspection) of metallic objects.

Electrical features

Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	150 mA
Relative hysteresis	20 %
No-load current	8 mA
Switching distance	50 mm
Switching frequency	50 Hz
Voltage drop	2 V
Operating voltage (DC)	10 - 35 V
ardSOCA_ElektrischerAnschluss	Cable tail 2m
ardSOCA_Betriebsspannung	10-35VDC
ardTEEL_Schutzfunktionen	Reverse polarity protection | Short circuit protection

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1.5 mm
Cable length	2 m
Cable infeed	axial
Length	66 mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PTFE)
Housing material	Stainless steel 1.4305
Material of cable sheath	Silicone
Thread dimension	M80
Ambient temperature	-25 - 160 °C
ardSOCA_Abmessungen	M80x1.5, 66mm long
Line diameter	4.6 mm

Other features

Reference medium / object	Standard measuring plate FE360 80x80x1mm

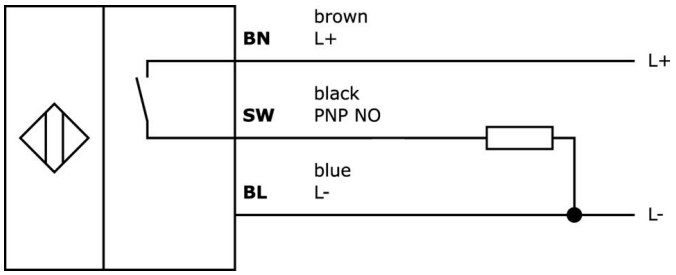
Classification

ETIM 8	EC002714 Inductive proximity switch

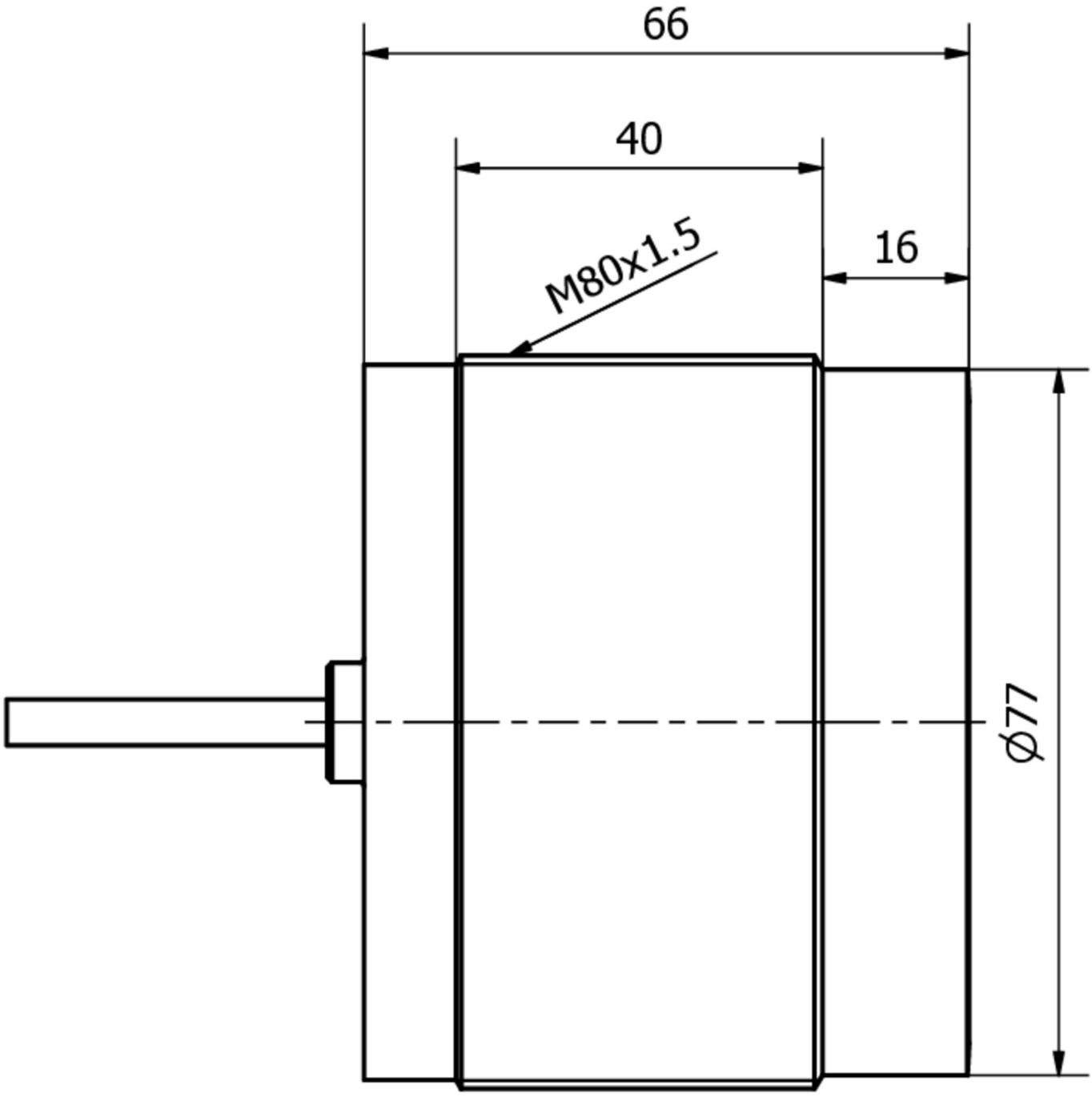
More

IPF Product Group	202 inductive sensors (high temperature)
packaging dimensions	210 x 138 x 95 mm
gross weight	990 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

VY000004



DC power supply, sensor tester, 120x26x72mm, 18V, 0.04A, Spring clamp connection 4pin, IP20, Plastic

AY000141



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.