

IB0801A5

Inductive sensors • Norm switching distance

sensor inductive, M8x1 16long, Flush, Sn: 1.5, 10-30V DC, PNP NO, Cable 5m PUR (Polyurethane), IP67, Stainless steel 1.4305

including Nut, Toothed washer



The IB0801A5 inductive sensor has been specially developed for use in soiling and harsh environmental conditions. It recognizes conductive metals at short distances and is not affected by other materials. The sensor complies with the EN 60947-5-2 standard and is suitable for standard applications.

The switching distance of the sensor is 1.5mm and is set at the factory using a norm measuring plate. The cylindrical housing of the sensor is made of stainless steel 1.4305 and has an M8x1mm thread. The electrical connection is made via a 3-wire 5m connection cable.

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	200 mA
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	15 mA
Relative repeat accuracy	10 %
Switching distance	1,5 mm
Switching frequency	1000 Hz
Voltage drop	2 V
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30 V

Mechanical features

Number of cores	3
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	16 mm
Thread pitch	1 mm
Cable length	5 m
Cable infeed	axial
Length	16 mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	Stainless steel 1.4305
Material of cable sheath	Plastic (PUR)
Thread dimension	M8
Ambient temperature	-25 - 70 °C

Other features

Reference medium / object	Standard measuring plate FE360 8x8x1mm
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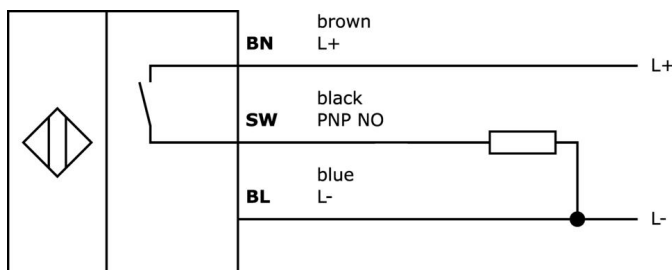
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	123 x 77 x 25 mm
gross weight	68 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

AY000115



accessories sensor, Fixture kit,
Metal, ball joint

AY000162



Accessories, magnetic, Ø43mm,
neodymium-iron-boron, inside
thread M5, rubber

VK003076



Cable connector, Angular, Suitable
for self-assembly, Soldering
connection, 4A, 60V, -40-85°C, M8
Male (connector) 3pin, IP67, Brass

VK003078



Cable connector, Straight, Suitable
for self-assembly, Soldering
connection, Ø3.5-5mm, 4A, 60V, -
40-85°C, M8 Male (connector)
3pin, IP67, Brass

VK003079



Cable connector, Straight, Suitable
for self-assembly, Soldering
connection, Ø3.5-5mm, 4A, 30V, -
40-85°C, M8 Male (connector)
4pin, IP67, Brass

VK003179



Cable connector, Straight, Suitable
for self-assembly, Screw
connection, Ø3.5-5mm, 4A, 30V, -
40-85°C, M8 Male (connector)
4pin, IP67, Brass

AY000159



accessories sensor, Mounting
pipe, Ø12mm 200long, Aluminum
Anodised

AY000155



accessories sensor, Clamp sleeve,
M12x1 32long, Brass White bronze

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.