

IB080101

Inductive sensors • Norm switching distance

sensor inductive, M8x1 50long, Flush, Sn: 1.5, 10-30V DC, PNP NO, Cable 5m PVC, IP67, Stainless steel 1.4305

including Nut



The IB080101 inductive sensor is specially designed for use in soiling areas and harsh environmental conditions. It recognizes conductive metals at short distances and is not affected by other materials. Manufactured in accordance with EN 60947-5-2, this sensor is suitable for all standard applications.

The switching distance of the flush sensor is 1.5 mm, which is set using a norm measuring plate. The cylindrical housing 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

Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable
Type of switching output	PNP
Rated switching current	200 mA
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
Switching distance	1,5 mm
Operating voltage (DC)	10 - 30 V

Mechanical features

Number of cores	3
Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread pitch	1 mm
Cable length	5 m
Cable infeed	axial
Length	50 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 (PVC)
Thread dimension	M8
Ambient temperature	-25 - 70 °C

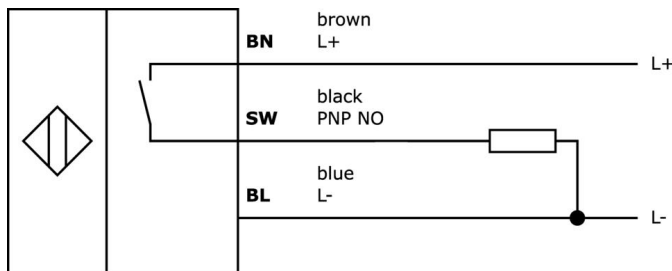
Classification

ETIM 8	EC002714 Inductive proximity switch
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More

IPF Product Group	200 inductive sensors
packaging dimensions	123 x 77 x 25 mm
gross weight	100 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

AY98C293



accessories sensor, Teflon cap,
M8x1 5long,
Polytetrafluorethylene (PTFE)

VK003026



Cable connector, Angular, Suitable
for self-assembly, Screw
connection, Ø3-6.5mm, 4A, 240V,
-25-90°C, M12 Male (connector)
4pin, IP67, PBT

VK003028



Cable connector, Straight, Suitable
for self-assembly, Screw
connection, Ø3-6.5mm, 4A, 240V,
-25-90°C, M12 Male (connector)
4pin, IP67, PBT

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

AY000162



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

AY000159



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

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.