

## IB060274

### Inductive sensors • Norm switching distance

sensor inductive, Ø6,5mm 45long, Flush, Sn: 1.5, 10-30V DC, PNP NC, Connector M8 3pin, IP67, Stainless steel 1.4305



The IB060274 inductive sensor recognizes conductive metals at short distances and is insensitive to other materials. This makes it ideal for use in soiling and harsh environments. The sensor complies with EN 60947-5-2 and is suitable for standard applications.

The switching distance of the flush sensor is 1.5 mm and is set at the factory using a norm measuring plate that corresponds to the diameter of the sensor surface. The cylindrical housing of the sensor is made of stainless steel 1.4305 with a cut-in thread. The electrical connection is made via a 3-pin M8 plug connector.

#### Electrical features

Display	LED display
Type of switching function	Normally closed contact (NC)
Type of electrical connection	Connector M8
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
Number of pins	3
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**

Alignment of cable entry	axial
Design	Cylinder plain
Diameter	6.5 mm
Cable infeed	axial
Length	45 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
Ambient temperature	-25 - 70 °C

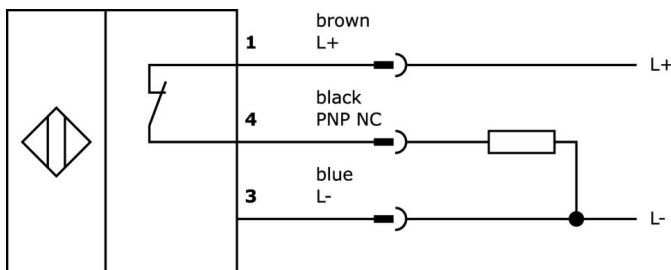
**Classification**

ETIM 8	EC002714 Inductive proximity switch
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**More**

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	120 x 100 x 15 mm
gross weight	10 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Extract accessories program**

**VY030170**



time stage, Turn-off delay, 0-0.15s,  
10-35V DC, 1x NO, M8 3pin 0.3m,  
IP67, Plastic, Potentiometer

**VY030174**



time stage, Turn-off delay, 0-0.15s,  
10-35V DC, 1x NO, M8 3pin 0.3m,  
IP67, Plastic, Potentiometer

**VY000004**



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

**NG400501**



DC power supply, 1-phase,  
125x114x40mm, 24-28V, 5A, 90-  
264V AC 50Hz, 90-264V AC 60Hz,  
127-370V DC, screw connection,  
IP20, aluminum, stabilized, pulsed  
output voltage

**VK000038**



Adaption, M8 Female (socket)  
3pin Straight, M8 Male  
(connector) 4pin Straight, 24V, -  
25-85°C, IP67, Oil and cooling  
lubricants, Welding area

**VK030F82**



Connection cable, 0.3m, M8  
socket 3-pin angular, M12  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), IP67,  
LED, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

**VK060F82**



Connection cable, 0.6m, M8  
socket 3-pin angular, M12  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), IP67,  
LED, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

**VK030F70**



Connection cable, 0.3m, M8  
socket 3-pin angular, M8  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), 60V,  
IP67, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

**VK030F74**



Connection cable, 0.3m, M8  
socket 3-pin straight, M8  
connector 3-pin straight, 3x0.  
34mm<sup>2</sup>, PUR (polyurethane), 60V,  
IP67, suitable for trailing chain and  
torsion resistant, oils and cooling  
lubricants, welding area, silicone-  
free

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.