

IB090270

Inductive sensors • Norm switching distance

sensor inductive, 59x8x8mm, Flush, Sn: 1.5, 10-30V DC, PNP NC, Connector M8, IP67, Zinc die-cast Nickel-plated



The IB090270 inductive sensor recognizes conductive metals at short distances and is insensitive to other materials, making it ideal for use in soiling and harsh environments. The sensor complies with the EN 60947-5-2 standard and is suitable for standard applications. The switching distance is set at the factory using a norm measuring plate whose edge length corresponds to the diameter of the sensor surface. In accordance with the standard, the IB090270 flush sensor achieves a switching distance of 1.5 mm. The housing of the sensor is made of zinc diecast and has cut-in threads. The electrical connection is made via istFehler.

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
Switching distance	1,5 mm
Operating voltage (DC)	10 - 30 V

Mechanical features

Design	Cuboid
Width	8 mm
Height	59 mm
Cable infeed	axial
Length	8 mm
Maximum tightening torque	1 Nm
Mechanical mounting condition for sensor	flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PA6.1, glass fiber reinforced 15%)
Housing material	Zinc die-cast
Ambient temperature	-25 - 70 °C

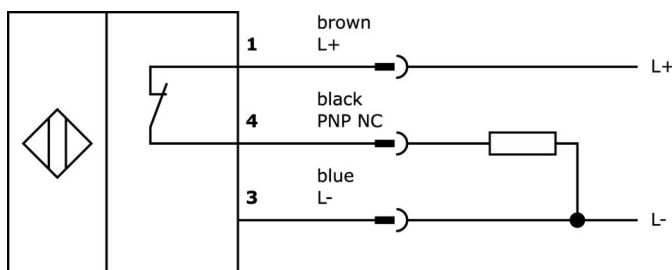
Classification

ETIM 8	EC002714 Inductive proximity switch
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More


IPF Product Group	215 inductive sensors (cuboid)
packaging dimensions	120 x 100 x 17 mm
gross weight	20 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection




Extract accessories program

VK200071



Connection cable, 2m, M8 Female (socket) 3pin Angular, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 60V, -40-90°C, IP67, TPU, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK200075




Connection cable, 2m, M8 female (socket) 3pin Straight, free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 60V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oil and cooling lubricants, welding area, Silicone-free

VK030F80



Connection cable, 0.3m, M8 socket 3-pin angular, M12 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F84




Connection cable, 0.3m, M8 socket 3-pin straight, M12 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK003070



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

VK003074



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

VK030F72




Connection cable, 0.3m, M8 socket 3-pin angular, M8 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK060F72



Connection cable, 0.6m, M8 socket 3-pin angular, M8 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F82



Connection cable, 0.3m, M8 socket 3-pin angular, M12 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), IP67, LED, 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.