

## IB06C734

### Inductive sensors • Norm switching distance

sensor inductive, Ø6,5mm 30long, Flush, Sn: 1.5, 10-30V DC, PNP NO, Connector M8 0.3m PUR (Polyurethane), IP67, Brass Nickel-plated



The IB06C734 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 EN 60947-5-2 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 flush-mounted sensor achieves a switching distance of 1.5 mm. The cylindrical housing of the sensor is made of brass with a cut-in thread. The electrical connection is made via

#### Electrical features

Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M8
Type of switching output	PNP
Rated switching current	200 mA
Relative hysteresis	15 %
Short-circuit protection	Yes
No-load current	15 mA
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 length	0.3 m
Cable infeed	axial
Length	30 mm
Mechanical mounting condition for sensor	flush
Surface	nickel-plated
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	Brass
Material of cable sheath	Plastic (PUR)
Ambient temperature	-25 - 70 °C

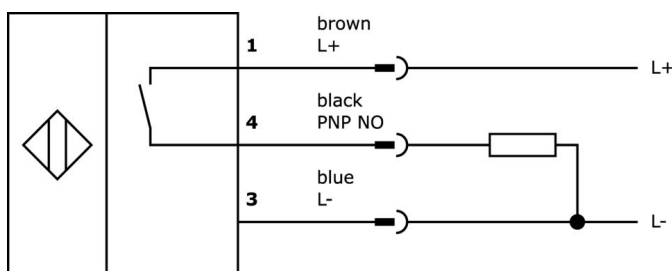
**Classification**

ETIM 8	EC002714 Inductive proximity switch
--------	-------------------------------------

**More**

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	120 x 100 x 10 mm
gross weight	12 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Extract accessories program**

**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

**AY000029**



Accessories Sensor, holder, Ø6.5mm 20 long

**AY000065**



Accessories Sensor, holder, Ø6.5mm, stainl. steel

**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

**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

**VYR90270**



Signal inversion, Ø9mm 32long, 10-35V DC, 1x NC, M8 0.3m, IP67, Aluminum

**VYR91170**



Inverter, Ø9mm 32long, PNP/NPN, 10-35V DC, 1x NO, M8 0.3m, IP67, Aluminum

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.