

IB06A023

Inductive sensors • Norm switching distance

sensor inductive, Ø6,5mm 16long, Flush, Sn: 1.5, 10-30V DC, PNP NO, IO-Link, Cable connector M8 0.3m, IP67, Stainless steel



The IB06A023 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 was manufactured in accordance with EN 60947-5-2 and is suitable for standard applications. The switching distance of the sensor is set at the factory to 1.5mm, which is adjusted using a norm measuring plate with a corresponding edge length. The sensor can be flush mounted and has a cylindrical housing made of stainless steel with a cut-in thread. The electrical connection is made via an isFehler connection.

Electrical features

Type of switching function	Normally open contact (NO)
Type of electrical connection	Cable connector M8
Type of switching output	PNP
Rated switching current	200 mA
Switching distance	1,5 mm
Supported communication interface	IO-Link
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	radial
Length	16 mm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Housing material	Stainless steel
Ambient temperature	-25 - 70 °C

Other features

IO-Link version	V1.0.1
-----------------	--------

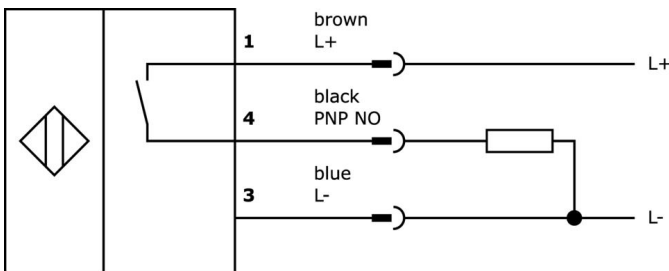
Classification

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

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	120 x 100 x 20 mm
gross weight	22 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

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

VY000005



IO-Link master, 41x24x67mm, IO-Link, M12, With USB interface

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

VK000038



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

VK000036



Adaption, M8 Female (socket) 3pin Straight, M12 Male (connector) 3pin Straight, 24V, -25-85°C, IP67, Oil and cooling lubricants, Welding area

VY000004



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

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.
- /** Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com