

IN800127

Inductive sensors • Increased switching distance

Inductive sensor, Ø80 mm, 40 long, non-flush, Sn: 70, 10–30 V DC, PNP NO, 4-pin M12 connector, IP67, PTB, Factor 1

including Screwdriver



Inductive proximity switches are contactless sensors. They detect all conductive metals, regardless of whether they are moving or not. The achievable switching distance of the devices depends on the object material and its dimensions. These vibration-resistant sensors can be approached laterally or from the front. Inductive proximity switches are used for presence detection (e.g., product carriers), positioning (e.g., furnace doors), counting (e.g., nuts/screws), speed detection (e.g., on gears), in conveyor systems (e.g., hose feeders), or for distance measurements (e.g., press-fit inspection) of metallic objects.

Electrical features

Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200 mA
Setting procedure	Potentiometer
Relative hysteresis	10 10 %
Correction factor (aluminum)	1
Correction factor (copper)	1
Correction factor (brass)	1
Correction factor (St37)	1
Correction factor (stainl. steel)	1
No-load current	25 mA
Number of pins	4
Switching distance	70 mm
Voltage drop	2 V
Operating voltage (DC)	10 - 30 V
Electrical connection	
Operating voltage	
protection functions	short circuit protection reverse polarity protection

Mechanical features

Design	Cylinder plain
Diameter	80 mm
Length	40 mm
Mechanical mounting condition for sensor	non-flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	PBT
Ambient temperature	-25 - 75 °C
dimensions	

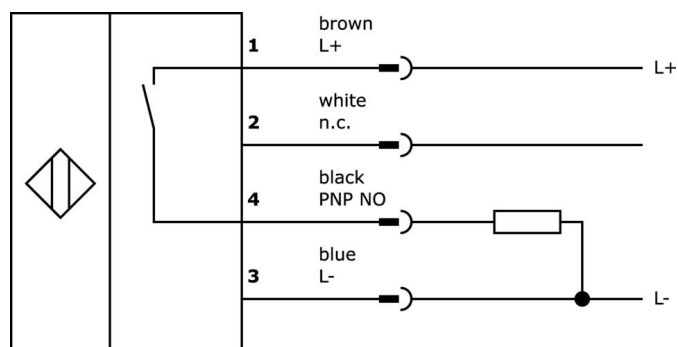
Classification

ETIM 8

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	225 x 95 x 60 mm
gross weight	335 g
customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

VK200021



Connection cable, 2m, M12 socket 3-pin angular, free cable end, 3x0.34mm², PUR (polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK200025



Connection cable, 2m, M12 socket 3-pin straight, free cable end, 3x0.34mm², PUR (polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK003020



Cable socket, angular, self-assembly, screw connection, Ø3-6.5mm, 4A, 240V, -25-90°C, M12 socket 4-pin, IP67, PBT

VK003024



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

VK030F62



Connection cable, 0.3m, M12 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

VK060F62



Connection cable, 0.6m, M12 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

VK030F21



Connection cable, 0.3m, M12 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm², 240V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F25



Connection cable, 0.3m, M12 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane), 240V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK003021



Cable socket, Angular, Suitable for self-assembly, Screw connection, Ø3-6.5mm, 4A, 60V, -25-90°C, M12 Female (socket) 5pin, IP67, PBT

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.