AbN
automation

IB12C757

Inductive sensors ● Norm switching distance

sensor inductive, M12x1 50long, Flush, Sn: 4, 10-30V DC, PNP NO, Connector M12,
IP67, Stainless steel 1.4305

including 2x Nut

Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.

Electrical features

Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200mA
Short-circuit protection	Yes
Switching distance	4mm
Switching frequency	400Hz
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 30V

Mechanical features

Alignment of cable entry	axial
Design	Cylinder, screw-thread
Thread length	50mm
Thread pitch	1mm
Cable infeed	axial
Length	50mm
Maximum tightening torque	20Nm
Mechanical mounting condition for sensor	flush
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PBT)
Housing material	Stainless steel 1.4305
Thread dimension	M12
Ambient temperature	-25 - 70°C

Other features

Ambient temperature	-25 - 70°C

ipf electronic gmbh | Rosmarter Allee 14 ● 58762 Altena - Germany | Tel +49 2351 9365-0 ● info@ipf-electronic.com ● **www.ipf-electronic.com**

1

Classification

ETIM 8	EC002714 Inductive proximity switch

More

IPF Product Group	203 inductive sensors (diverse)
packaging dimensions	120 x 100 x 17 mm
gross weight	23 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection
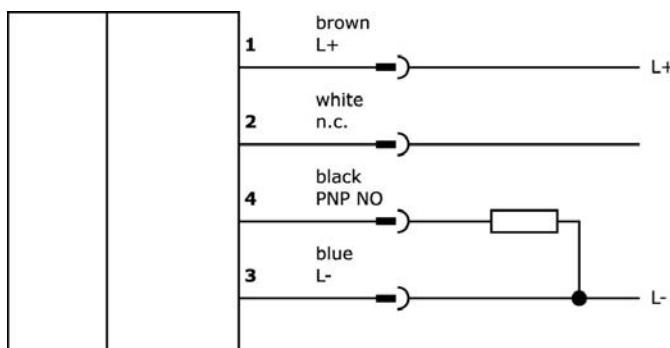
Installation

Mounting / installation may only be carried out by a qualified electrician!

Disposal

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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.