IC18C961

INDUCTIVE SENSORS • FULL-METAL HOUSING

sensor inductive, all-steel, M18x1 70long, Flush, Sn: 5, 10-35V DC, PNP NO, Connector M12, IP67, V4A, ATEX



MECHANICAL FEATURES

Active area material of sensor	Stainless steel 1.4404
Alignment of cable entry	Axial
Ambient temperature	0 °C ... 60 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4404
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	70 mm
Thread length	50 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

ATEX approval	+
Cascadable	-
Rated switching current	100 mA
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	5 mm
Switching frequency	100 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2.5 V
Voltage type	DC
With monitoring function of downstream devices	-

OTHER FEATURES

Explosion safety category for dust	ATEX dust-ex-protection, Cat. 3D
Explosion safety category for gas	ATEX gas-ex-protection, Cat. 3G
Feeding technology	+

OTHER FEATURES

Harsh environmental conditions	+
Hygienic and wet area	+
Metallic sensor surface	+
Oil and cooling lubricants	+

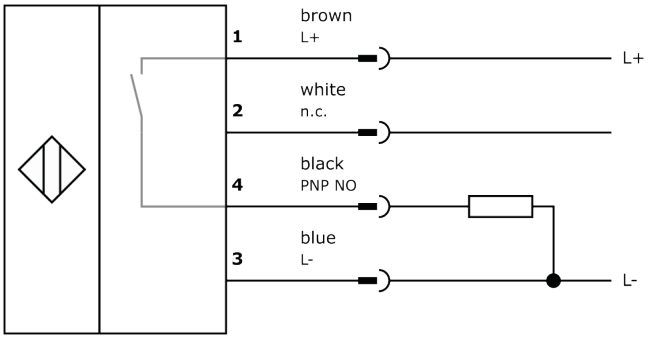
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.08kg
Tariff code	85365019

Classification

ipf product group	700
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

Connection



Dimensional drawing

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.
LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.

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