IPF ELECTRONIC

Data sheet IA060170 • Subject to alteration! Version: 03.12.2020

IA060170
INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, preferential, Ø6,5mm 50long, Flush, Sn: 1.5, 10-30V DC, PNP NO, Connector M8 3pin, IP67, V2A Nickel-plated

MECHANICAL FEATURES

Active area material of sensor	PBT
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder plain
Housing coating	Nickel-plated
Housing material	Stainless steel (V2A)
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor diameter	6.5 mm
Sensor length	50 mm

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Hysteresis	15 %
No-load current	15 mA
Number of pins	3
Rated switching current	200 mA
Relative repeat accuracy	10 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	1.5 mm
Switching frequency	1000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact

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ELECTRICAL FEATURES

Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

Other

Packaging dimensions	100mm x 0.8mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

Classification

ipf product group	216
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
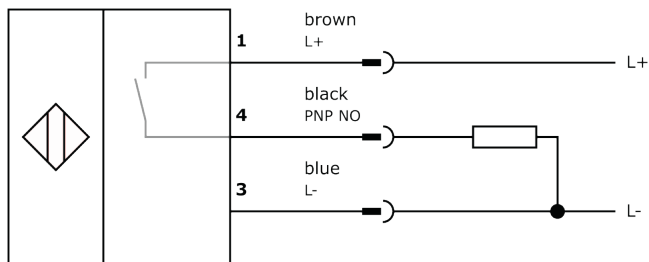
Dimensional drawing
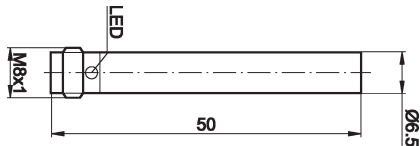
Installation

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

Disposal

Safety warnings

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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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