IN1201T1

INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor inductive, M12x1 60long, Non-flush, Sn: 4, 10-35V DC, 150°C, PNP NO, Cable 5m Polytetrafluorethylene (PTFE), IP50, Stainless steel 1.4305

MECHANICAL FEATURES

Active area material of sensor	Vectra®
Alignment of cable entry	Axial
Ambient temperature	0 °C ... 150 °C
Cable infeed	Axial
Cable length	5 m
Degree of protection (IP)	IP50
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Increased ambient temperatures > 80°C	+
Material of cable sheath	Polytetrafluorethylene (PTFE)
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	-
Sensor length	60 mm
Thread length	48 mm
Thread pitch	1 mm
Thread size, metric	12
Wire cross section	0.22 mm²

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
Norm measuring plate	12x12x1
Rated switching current	120 mA
Readiness delay	80 ms
Relative repeat accuracy	3 %
Residual ripple	10 %
Response time	1 ms

ELECTRICAL FEATURES

Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	4 mm
Switching frequency	500 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With monitoring function of downstream devices	-

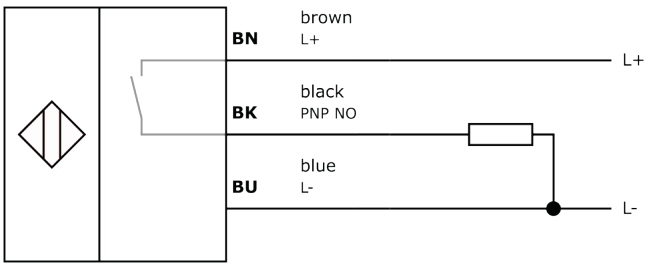
Other

Packaging dimensions	124.0mm x 28.0mm x 149.0mm
Shipping weight	0.15kg
Tariff code	85365019

Classification

ipf product group	202
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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