IB05C362

INDUCTIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor inductive, M5x0.5 25long, Quasi-flat, Sn: 2.5, 10-30V DC, PNP NO, Cable connector M8 0.3m PVC, IP67, Nickel silver

MECHANICAL FEATURES

Active area material of sensor	PPE
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Cable length	0.3 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Nickel silver
Material of cable sheath	PVC
Max. tightening torque	1.5 Nm
Mechanical mounting condition for sensor	Quasi-flat
Number of cores	3
Pressure-proof	-
Sensor length	25 mm
Thread pitch	0.5 mm
Thread size, metric	5
Wire cross section	0.14 mm²

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.33
Correction factor (brass)	0.42
Correction factor (copper)	0.3
Correction factor (St37)	1
Correction factor (stainl. steel)	0.67
Hysteresis	8 %
No-load current	10 mA
Norm measuring plate	7.5x7.5x1
Rated switching current	200 mA
Readiness delay	30 ms
Residual ripple	20 %
Reverse polarity protection	+
Short-circuit protection	+

ELECTRICAL FEATURES

Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	2.5 mm
Switching frequency	800 Hz
Type of electrical connection	Cable connector M8
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	-

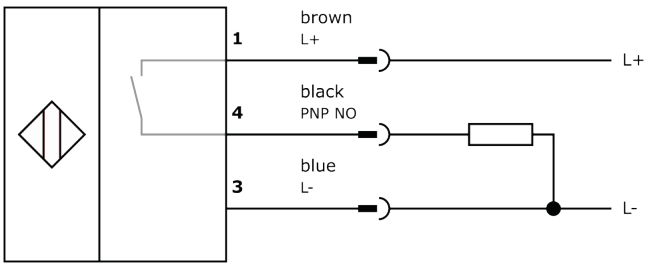
Other

Packaging dimensions	100mm x 25.0mm x 120mm
Shipping weight	0.04kg
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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