IB08012W

INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor inductive, M8x1 60long, Flush, Sn: 2, 10-35V DC, 140°C, PNP
NO, Cable connector M12 0.3m, IP65, Brass Nickel-plated

MECHANICAL FEATURES

Active area material of sensor	PBT
Alignment of cable entry	Axial
Ambient temperature	0 °C ... 140 °C
Cable length	0.3 m
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Increased ambient temperatures > 80°C	+
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	60 mm
Thread length	53 mm
Thread pitch	1 mm
Thread size, metric	8
Wire cross section	0.14 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	8x8x1
Rated switching current	50 mA
Readiness delay	60 ms
Relative repeat accuracy	3 %
Residual ripple	10 %
Response time	0.8 ms
Reverse polarity protection	+

ELECTRICAL FEATURES

Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	2 mm
Switching frequency	600 Hz
Type of electrical connection	Cable connector M12
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	-

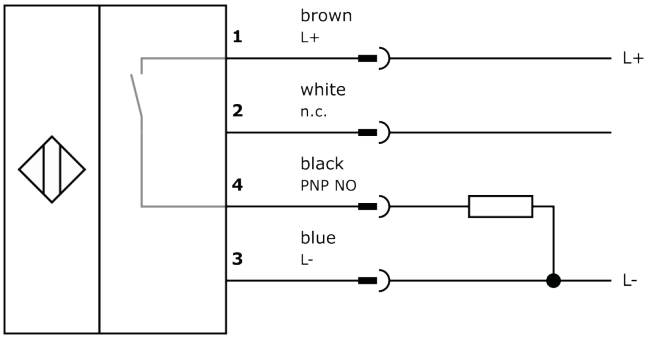
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.06kg
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



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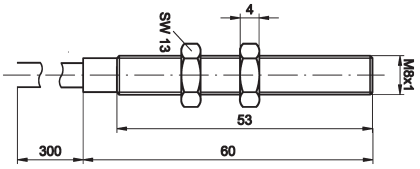
Dimensional drawing



Installation

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

Disposal

Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com

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.