

IC12012W INDUCTIVE SENSORS • FULL-METAL HOUSING

sensor inductive, all-steel, M12x1 71long, Flush, Sn: 2, 7-35V DC, 130°C, PNP NO, Connector M12 3pin, IP65, Stainless steel 1.4305



MECHANICAL FEATURES

Active area material of sensor	Stainless steel 1.4305
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 130 °C
Cable infeed	Axial
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Increased ambient temperatures > 80°C	+
Max. tightening torque	20 Nm
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	71 mm
Thread length	45 mm
Thread pitch	1 mm
Thread size, metric	12

ELECTRICAL FEATURES

Cascadable	-
Correction factor (brass)	0.1
Correction factor (St37)	1
Correction factor (stainl. steel)	0.6
Hysteresis	15 %
No-load current	15 mA
Norm measuring plate	12x12x1
Number of pins	3
Rated switching current	150 mA
Reverse polarity protection	+
Suitable for safety functions	-
Supply voltage	7 V ... 35 V
Switching distance	2 mm
Switching frequency	40 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact

ELECTRICAL FEATURES

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

OTHER FEATURES

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

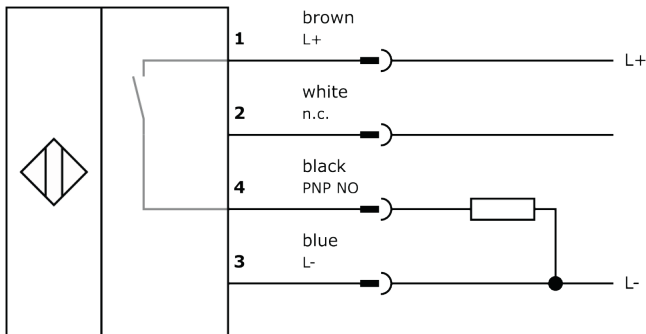
Other

Packaging dimensions	100mm x 17.0mm x 120mm
Shipping weight	0.04kg
Tariff code	85365019

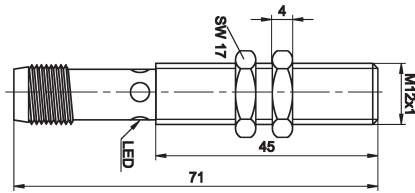
Classification

ipf product group	206
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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