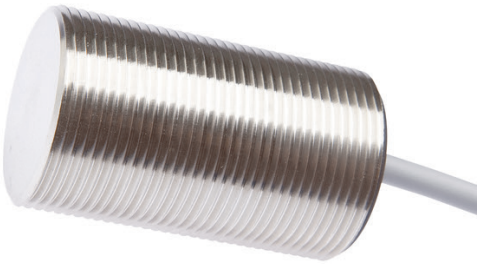
IC300206

INDUCTIVE SENSORS • FULL-METAL HOUSING

sensor inductive, all-steel, M30x1.5 50long, Flush, Sn: 20, 10-30V DC, 85°C, PNP NC, Cable 2m PUR (Polyurethane), IP68, Stainless steel 1.4305, factor 1



MECHANICAL FEATURES

Active area material of sensor	Stainless steel 1.4305
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 85 °C
Cable infeed	Axial
Cable length	2 m
Degree of protection (IP)	IP68
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Material independent sensors (factor 1)	+
Material of cable sheath	PUR (Polyurethane)
Material thickness	1 mm
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure resistance	40 bar
Pressure-proof	+
Sensor length	50 mm
Thread length	50 mm
Thread pitch	1.5 mm
Thread size, metric	30
Wire cross section	0.34 mm²

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	1
Correction factor (brass)	1.3
Correction factor (copper)	0.9
Correction factor (St37)	1
Correction factor (stainless steel V2A: 1mm)	0.4
Correction factor (stainless steel V2A: 2mm)	0.75
Hysteresis	15 %
Max. line length	300 m
No-load current	10 mA
Norm measuring plate	60x60x1

ELECTRICAL FEATURES

Rated switching current	200 mA
Readiness delay	20 ms
Relative repeat accuracy	5 %
Residual ripple	20 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	20 mm
Switching frequency	125 Hz
Type of electrical connection	Cable
Type of switching function	Normally closed contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With LED display (functional reserve)	+
With monitoring function of downstream devices	-

OTHER FEATURES

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

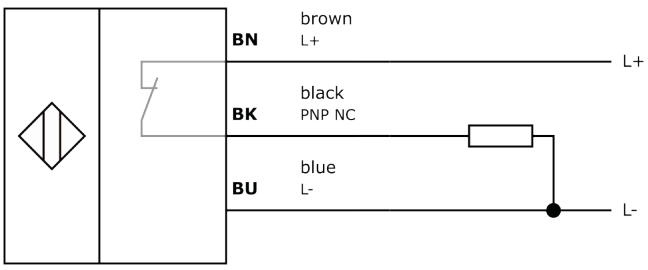
Other

Packaging dimensions	124.0mm x 35.0mm x 149.0mm
Shipping weight	0.23kg
Tariff code	85365019

Classification

ipf product group	205
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.