IC120123
INDUCTIVE SENSORS • FULL-METAL HOUSING

sensor inductive, all-steel, M12x1 50long, Quasi-flat, Sn: 4, 10-30V DC, PNP NO, Connector M12 3pin, IP67, V4A, 20bar

MECHANICAL FEATURES

Active area material of sensor	Stainless steel 1.4404
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4404
Max. operating pressure	20 bar
Mechanical mounting condition for sensor	Quasi-flat
Pressure-proof	+
Sensor length	50 mm
Thread length	35 mm
Thread pitch	1 mm
Thread size, metric	12

ELECTRICAL FEATURES

Cascadable	-
Correction factor (copper)	0.35
Correction factor (stainl. steel)	0.55
Hysteresis	20 %
No-load current	14 mA
Norm measuring plate	18x18x1
Number of pins	3
Rated switching current	200 mA
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	4 mm
Switching frequency	100 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact
Type of switching output	PNP

ELECTRICAL FEATURES

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	+

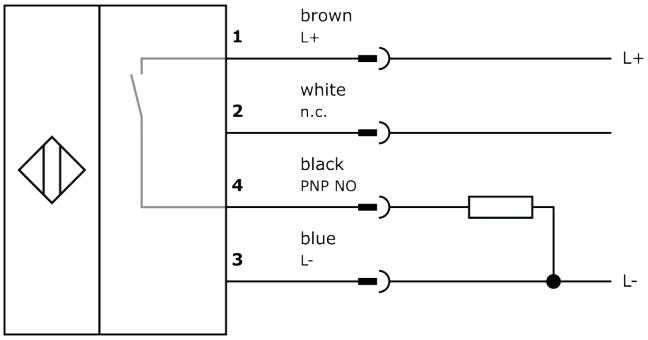
Other

Packaging dimensions	100mm x 25.0mm x 120mm
Shipping weight	0.03kg
Tariff code	85365019

Classification

ipf product group	204
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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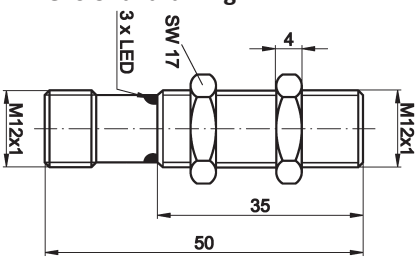
Dimensional drawing



Installation

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

Disposal

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.