

IB120000

INDUCTIVE SENSORS • DISTANCE MEASUREMENT

sensor inductive, analog, M12x1 50long, Flush, Sn: 1-2, 14-30V DC, 1 ... 9V, Cable 3pin 2m PVC, IP67, Nickel-plated brass Nickel-plated



MECHANICAL FEATURES

Active area material of sensor	Plastic
Ambient temperature	0 °C ... 60 °C
Atmospheric-change resistant (temperature cycle)	-
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
High-pressure-proof sensors	-
Housing coating	Nickel-plated
Housing material	Nickel-plated brass
Increased ambient temperatures > 80°C	-
Material of cable sheath	PVC
Max. tightening torque	10 Nm
Mechanical mounting condition for sensor	Flush
Number of cores	3
Sensor length	50 mm
Thread length	39 mm
Thread pitch	1 mm
Thread size, metric	12

ELECTRICAL FEATURES

Absolute repeat accuracy	0.02 mm
Distance measuring sensors	+
Load resistance (voltage output)	1 kOhm
Magnetic field resistant	-
Measuring range length	1 mm ... 2 mm
No-load current	20 mA
Number of pins	3
Operating voltage	14 V ... 30 V
Residual ripple	0.5 %
Response time	0.5 ms
Reverse polarity protection	+
Short-circuit protection	+
Supply voltage	14 V ... 30 V

ELECTRICAL FEATURES

Type of analog output	1 ... 9V
Type of electrical connection	Cable
Voltage type	DC

OTHER FEATURES

Devices for hose mounting	-
Feeding technology	-
Harsh environmental conditions	-
Metallic sensor surface	-
Oil and cooling lubricants	-
Ring-shaped sensors	-
Welding-proof sensors	-

Other

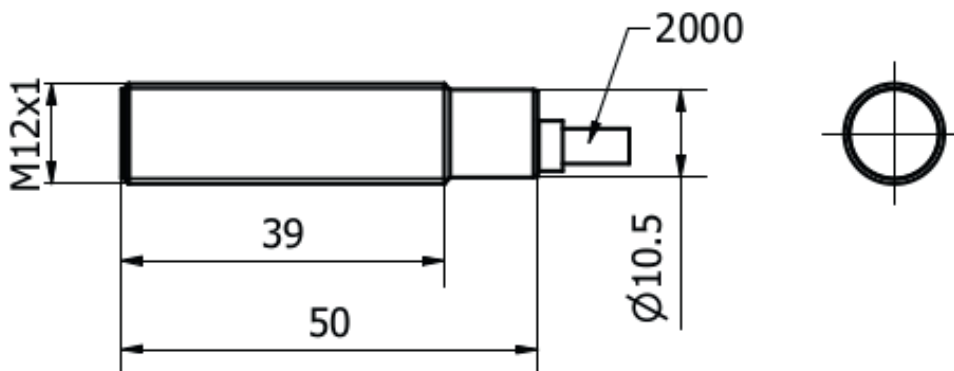
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.1kg
Tariff code	85365019

Classification

ipf product group	209
eClass 8.0	27270802
eClass 9.0	27270802
eClass 9.1	27270802
ETIM-5.0	EC001818
ETIM-6.0	EC001818
ETIM-7.0	EC001818

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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