IB182020

INDUCTIVE SENSORS • DISTANCE MEASUREMENT

sensor inductive, analog, M18x1 61long, Flush, Sn: 0.5-5, 11-35V DC, 1 … 9V, Connector M12 PVC, IP67, Brass Nickel-plated, resolution 5µm

MECHANICAL FEATURES

Ambient temperature	-10 °C ... 70 °C
Atmospheric-change resistant (temperature cycle)	-
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
High-pressure-proof sensors	-
Housing coating	Nickel-plated
Housing material	Brass
Increased ambient temperatures > 80°C	-
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Sensor length	61 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Absolute repeat accuracy	0.01 mm
Distance measuring sensors	+
Load resistance (voltage output)	1 kOhm
Magnetic field resistant	-
Measuring range length	0.5 mm ... 5 mm
No-load current	20 mA
Operating voltage	11 V ... 35 V
Relative repeat accuracy	0.01 %
Response time	0.5 ms
Reverse polarity protection	+
Short-circuit protection	+
Supply voltage	11 V ... 35 V
Type of analog output	1 … 9V
Type of electrical connection	Connector M12
Voltage type	DC

OPTICAL FEATURES

Resolution	5 µm

OTHER FEATURES

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

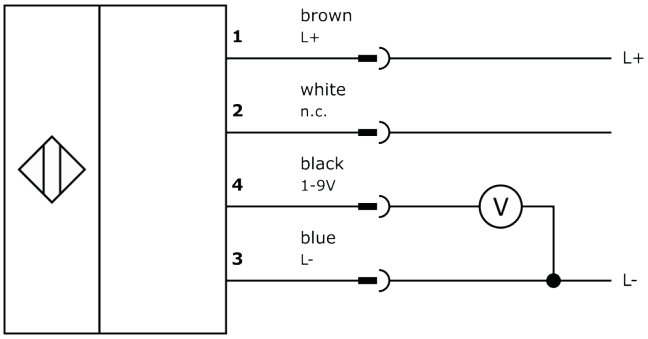
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.14kg
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.

ipf electronic gmbh • Rosmarter Allee 14 • 58762 Altena | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf.de • **www.ipf.de**