

## IB080070

### INDUCTIVE SENSORS • DISTANCE MEASUREMENT

sensor inductive, analog, M8x1 46long, Quasi-flat, Sn: 0-2, 15-30V DC, 0-10V, Connector M8 3pin, IP67, Stainless steel, resolution 5µm



#### MECHANICAL FEATURES

Active area material of sensor	Plastic
Ambient temperature	10 °C ... 60 °C
Atmospheric-change resistant (temperature cycle)	-
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
High-pressure-proof sensors	-
Housing material	Stainless steel
Increased ambient temperatures > 80°C	-
Mechanical mounting condition for sensor	Quasi-flat
Sensor length	46 mm
Thread length	34 mm
Thread pitch	1 mm
Thread size, metric	8

#### ELECTRICAL FEATURES

Distance measuring sensors	+
Load resistance (voltage output)	1 kOhm
Magnetic field resistant	-
Measuring range length	0 mm ... 2 mm
No-load current	25 mA
Number of pins	3
Operating voltage	15 V ... 30 V
Relative repeat accuracy	0.02 %
Response time	0.5 ms
Reverse polarity protection	+
Short-circuit protection	+
Supply voltage	15 V ... 30 V
Type of analog output	0 V ... 10 V
Type of electrical connection	Connector M8
Voltage type	DC

#### OPTICAL FEATURES

Resolution	5 µm
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## OTHER FEATURES

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

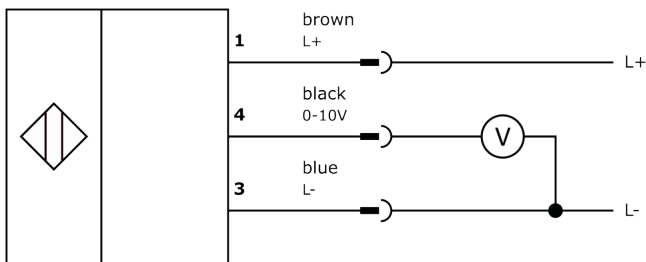
## Other

Packaging dimensions	100mm x 10mm x 120mm
Shipping weight	0.02kg
Tariff code	85365019

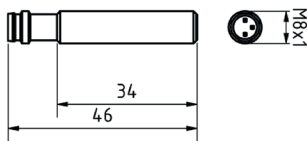
## Classification

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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