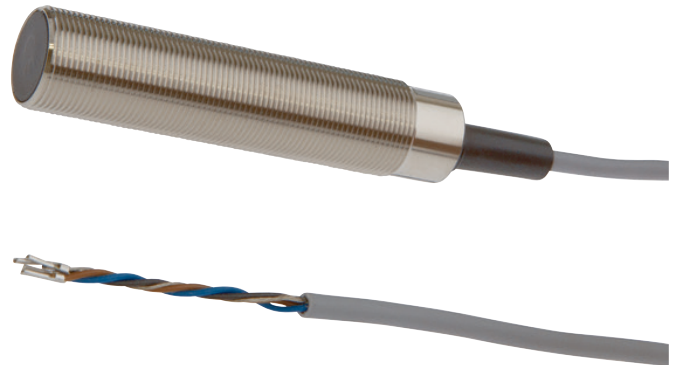


IB180080

INDUCTIVE SENSORS • DISTANCE MEASUREMENT

sensor inductive, analog, M18x1 80long, Flush, Sn: 1-4, 18-30V DC, 1 ... 9V, Cable 4pin 2m, IP67, Brass Nickel-plated, resolution 5µm



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 70 °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	Brass
Increased ambient temperatures > 80°C	-
Mechanical mounting condition for sensor	Flush
Sensor length	80 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Absolute repeat accuracy	0.01 mm
Decay time	2 ms
Distance measuring sensors	+
Load resistance (current output)	0.3 kOhm
Load resistance (voltage output)	1 kOhm
Magnetic field resistant	-
Measuring range length	1 mm ... 4 mm
Number of pins	4
Operating voltage	18 V ... 30 V
Relative repeat accuracy	0.01 %
Response time	2 ms
Reverse polarity protection	+
Short-circuit protection	+
Supply voltage	18 V ... 30 V
Type of analog output	1 ... 9V
Type of electrical connection	Cable
Voltage drop	7.2 V
Voltage type	DC

OPTICAL FEATURES

Resolution	5 µm
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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	70mm x 40mm x 125.0mm
Shipping weight	0.15kg
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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[IFRM06P1703/S35L](#) [IFRM08P1501/S35L](#) [IFRM12N17G3/L](#) [IFRM12P17G3/L](#) [IFRM12P3502/L](#) [IFRM12P37G1/S14L](#) [ILFK12E9189/I02](#)
[ILFK12E9193/I02](#) [IMM2582C](#) [OISN-013](#) [25.161.3253.0](#) [25.332.0653.1](#) [25.352.0653.0](#) [25.352.0753.0](#) [25.523.3253.0](#)