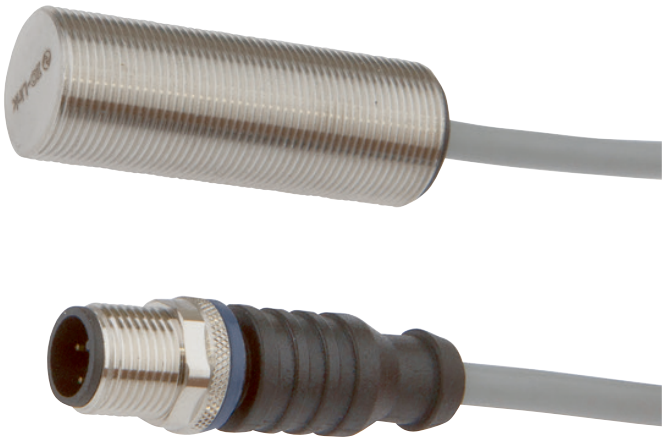
IC18E192

INDUCTIVE SENSORS • FULL-METAL HOUSING

sensor inductive, all-steel, M18x1 51long, Flush, Sn: 10, 10-30V DC, 85°C, PNP NO, IO-Link, Cable connector M12 5m PUR (Polyurethane), IP67, Stainless steel 1.4305, factor 1



MECHANICAL FEATURES

Active area material of sensor	Stainless steel 1.4305
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 85 °C
Cable infeed	Axial
Cable length	5 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Material independent sensors (factor 1)	+
Material of cable sheath	PUR (Polyurethane)
Material thickness	0.6 mm
Max. tightening torque	50 Nm
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure resistance	60 bar
Pressure-proof	+
Sensor length	51 mm
Thread length	49 mm
Thread pitch	1 mm
Thread size, metric	18
Wire cross section	0.34 mm²

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	1
Correction factor (brass)	1.2
Correction factor (copper)	0.8
Correction factor (St37)	1
Correction factor (stainless steel V2A: 1mm)	0.5
Correction factor (stainless steel V2A: 2mm)	0.9
Hysteresis	15 %
IO-Link compatible	+
Max. line length	300 m

ELECTRICAL FEATURES

No-load current	10 mA
Norm measuring plate	30x30x1
Operating voltage	10 V ... 30 V
Rated switching current	200 mA
Readiness delay	15 ms
Relative repeat accuracy	5 %
Residual ripple	20 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	10 mm
Switching frequency	200 Hz
Type of electrical connection	Cable connector M12
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With LED display (functional reserve)	+
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

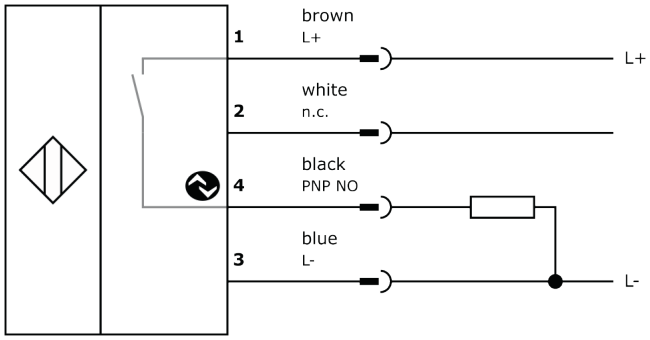
Packaging dimensions	124.0mm x 35.0mm x 149.0mm
Shipping weight	0.26kg
Tariff code	85365019

Classification

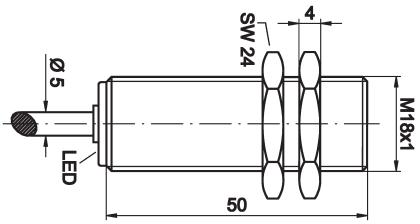
ipf product group	700
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

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Connection



Dimensional drawing



Installation

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

Disposal

Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com

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.