IB08E277

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, M8x1 32long, Flush, Sn: 2, 10-30V DC, PNP NO, Connector M8 3pin, IP67, Stainless steel 1.4305, Static

MECHANICAL FEATURES

Active area material of sensor	PA 12
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Max. tightening torque	6 Nm
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	32 mm
Thread length	19 mm
Thread pitch	1 mm
Thread size, metric	8
Tightening torque	6 Nm

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (brass)	0.45
Correction factor (copper)	0.3
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Magnetic field resistant	-
No-load current	10 mA
Norm measuring plate	8x8x1
Number of pins	3
Rated switching current	200 mA
Readiness delay	50 ms
Relative repeat accuracy	5 %
Residual ripple	20 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-

ELECTRICAL FEATURES

Supply voltage	10 V ... 30 V
Switching behavior of the output	Static
Switching distance	2 mm
Switching frequency	5000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

OTHER FEATURES

Devices for hose mounting	-
Metallic sensor surface	-
Ring-shaped sensors	-
Welding area	-
Welding-proof sensors	-

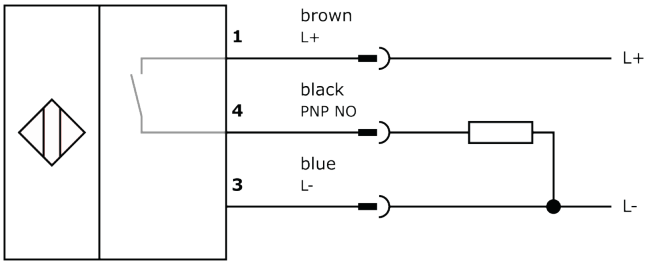
Other

Packaging dimensions	100mm x 10mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

Classification

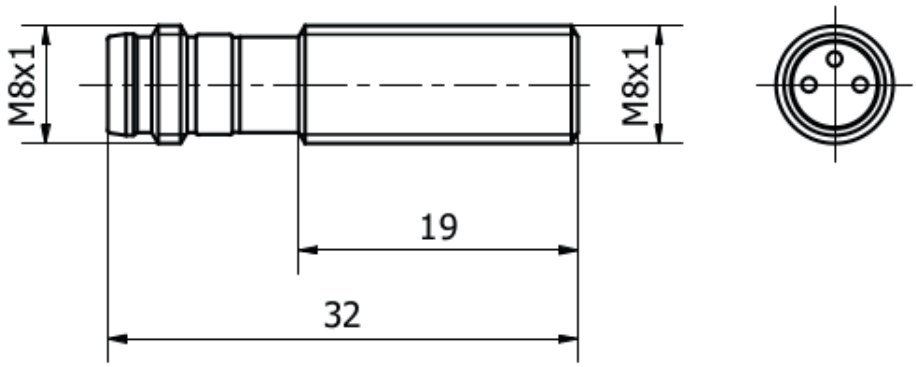
ipf product group	700
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

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**

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.