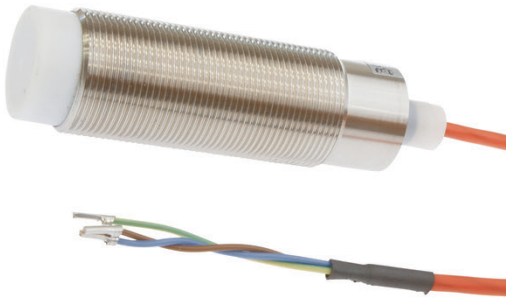
IN3041K0

INDUCTIVE SENSORS • ATMOSPHERIC-CHANGE RESISTANT

sensor inductive, M30x1.5 110long, Non-flush, Sn: 15, 20-250V AC, 120°C, Two-wire NO, Cable 2m FEP, IP69K, V4A



MECHANICAL FEATURES

Active area material of sensor	Polytetrafluorethylene (PTFE)
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 120 °C
Atmospheric-change resistant (temperature cycle)	+
Cable infeed	Axial
Cable length	2 m
Degree of protection (IP)	IP69K
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4571
Increased ambient temperatures > 80°C	+
Material of cable sheath	FEP
Mechanical mounting condition for sensor	Non-flush
Number of cores	3
Pressure-proof	-
Sensor length	110 mm
Thread length	65 mm
Thread pitch	1.5 mm
Thread size, metric	30
Wire cross section	0.75 mm²

ELECTRICAL FEATURES

Cascadable	-
Hysteresis	10 %
Min. output current	5 mA
No-load current	2.5 mA
Norm measuring plate	30x30x1
Rated switching current	400 mA
Relative repeat accuracy	3 %
Reverse polarity protection	+
Suitable for safety functions	-
Supply voltage	20 V ... 250 V
Switching distance	15 mm
Switching frequency	25 Hz

ELECTRICAL FEATURES

Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	Two-wire
Voltage drop	5 V
Voltage type	AC
With LED display	+
With monitoring function of downstream devices	-

OTHER FEATURES

Hygienic and wet area	+
Oil and cooling lubricants	+

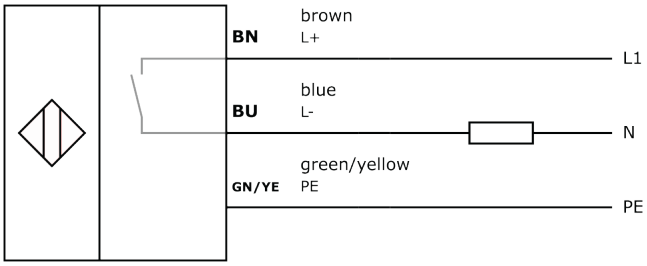
Other

Packaging dimensions	124.0mm x 35.0mm x 149.0mm
Shipping weight	0.37kg
Tariff code	85365080

Classification

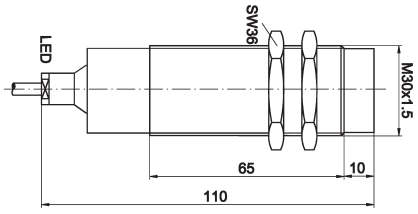
ipf product group	212
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

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.