

## IN1841K2

### INDUCTIVE SENSORS • ATMOSPHERIC-CHANGE RESISTANT

sensor inductive, M18x1 103long, Non-flush, Sn: 7, 20-250V AC, 120°C, Two-wire NO, Cable 10m 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	10 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	103 mm
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	18
Wire cross section	0.75 mm <sup>2</sup>

#### ELECTRICAL FEATURES

Cascadable	-
Hysteresis	10 %
Max. output current at safe output	400 mA
Min. output current	5 mA
No-load current	2.5 mA
Norm measuring plate	18x18x1
Operating voltage	20 V ... 250 V
Rated switching current	400 mA
Relative repeat accuracy	3 %
Reverse polarity protection	+
Suitable for safety functions	-
Supply voltage	20 V ... 250 V

## ELECTRICAL FEATURES

Switching distance	7 mm
Switching frequency	25 Hz
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	+

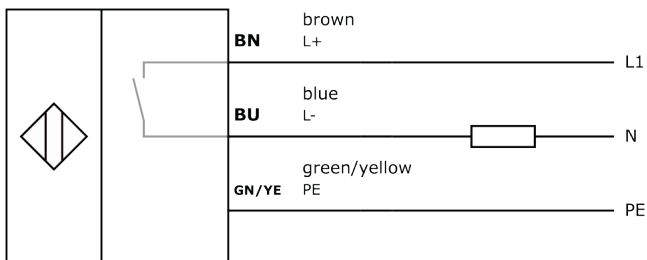
## Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.62kg
Tariff code	85365080

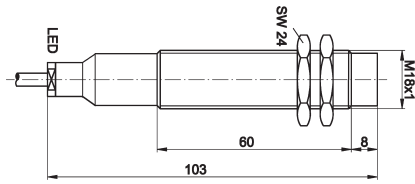
## Classification

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



## 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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