

## IB18E208

### INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor inductive, M18x1 70long, Flush, Sn: 5, 10-35V DC, -25-180°C, PNP NC, Cable 5m Polytetrafluorethylene (PTFE), IP50, Stainless steel 1.4305, ATEX



#### MECHANICAL FEATURES

Active area material of sensor	Vectra®
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 180 °C
Cable infeed	Axial
Cable length	5 m
Degree of protection (IP)	IP50
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Material of cable sheath	Polytetrafluorethylene (PTFE)
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	70 mm
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	18
Wire cross section	0.22 mm <sup>2</sup>

#### ELECTRICAL FEATURES

Cascadable	-
Hysteresis	15 %
No-load current	15 mA
Norm measuring plate	18x18x1
Operating voltage	10 V ... 35 V
Rated switching current	150 mA
Readiness delay	5 ms
Relative repeat accuracy	3 %
Residual ripple	10 %
Response time	1.2 ms
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Switching distance	5 mm

## ELECTRICAL FEATURES

Switching frequency	400 Hz
Type of electrical connection	Cable
Type of switching function	Normally closed contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC

## OTHER FEATURES

Explosion safety category for dust	ATEX dust-ex-protection, Cat. 3D
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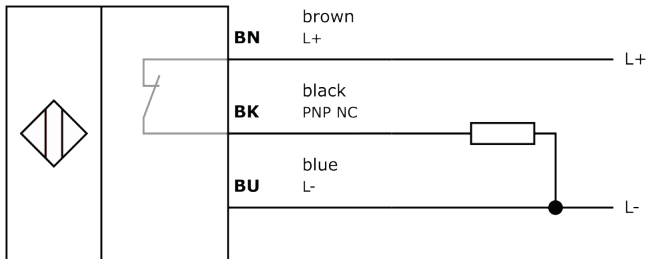
### Other

Packaging dimensions	124.0mm x 35.0mm x 149.0mm
Shipping weight	0.19kg
Tariff code	85365019

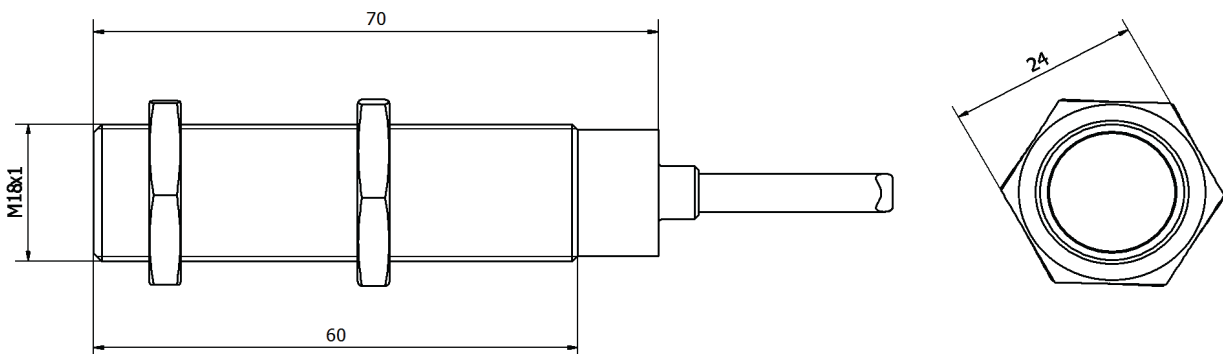
### Classification

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



## 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.