

**IB0802A4**
**INDUCTIVE SENSORS • NORM SWITCHING DISTANCE**

sensor inductive, M8x1 16long, Flush, Sn: 1.5, 10-30V DC, PNP NC,  
Cable 2m PUR (Polyurethane), IP67, Stainless steel 1.4305


**MECHANICAL FEATURES**

Active area material of sensor	PBT
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Cable length	2 m
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	16 mm
Thread length	16 mm
Thread pitch	1 mm
Thread size, metric	8

**ELECTRICAL FEATURES**

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Hysteresis	15 %
No-load current	15 mA
Norm measuring plate	8x8x1
Rated switching current	200 mA
Relative repeat accuracy	10 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V

## ELECTRICAL FEATURES

Switching distance	1.5 mm
Switching frequency	1000 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
With LED display	+
With monitoring function of downstream devices	-

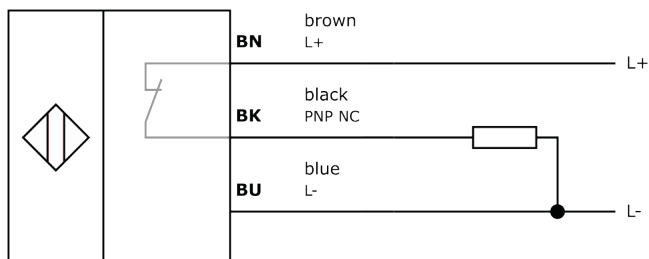
## Other

Packaging dimensions	100mm x 0.0mm x 120mm
Shipping weight	
Tariff code	85365019

## Classification

ipf product group	203
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.