

**IBR40181**
**INDUCTIVE SENSORS • NORM SWITCHING DISTANCE**

sensor inductive, Ø4mm 25long, Flush, Sn: 0.6, 10-30V DC, PNP NO,  
IO-Link, Cable 2m PUR (Polyurethane), IP68, V2A


**MECHANICAL FEATURES**

Active area material of sensor	Sapphire
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Cable length	2 m
Degree of protection (IP)	IP68
Design	Cylinder plain
Housing material	Stainless steel 1.4301
Material of cable sheath	PUR (Polyurethane)
Mechanical mounting condition for sensor	Flush
Pressure resistance	20 bar
Pressure-proof	+
Sensor diameter	4 mm
Sensor length	25 mm

**ELECTRICAL FEATURES**

Cascadable	-
Correction factor (aluminum)	0.2
Correction factor (brass)	0.25
Correction factor (copper)	0.15
Correction factor (St37)	1
Correction factor (stainl. steel)	0.6
Hysteresis	10 %
IO-Link compatible	+
No-load current	10 mA
Norm measuring plate	4x4x1
Rated switching current	200 mA
Relative repeat accuracy	1.67 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	0.6 mm

## ELECTRICAL FEATURES

Switching frequency	5000 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With monitoring function of downstream devices	-

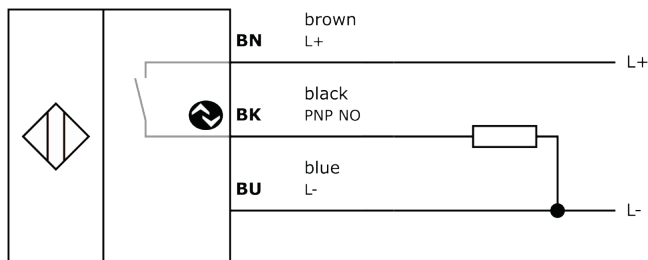
## Other

Packaging dimensions	100mm x 0.0mm x 120mm
Shipping weight	0.03kg
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



## Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)

## 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.