

## IB060176

### INDUCTIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor inductive, Ø6,5mm 60long, Quasi-flat, Sn: 3, 10-30V DC, PNP  
NO, Connector M8 3pin, IP67, Brass Chrome-plated



#### MECHANICAL FEATURES

	IV000197
Active area material of sensor	Polyoxymethylene (POM)
Ambient temperature	-25 °C ... 70 °C
Degree of protection (IP)	IP67
Housing coating	Chrome-plated
Housing design	Cylinder plain
Housing material	Brass
Mechanical mounting condition for sensor	Quasi-flat
Pressure-proof	-
Sensor diameter	6.5 mm
Sensor length	60 mm

#### ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.2
Correction factor (brass)	0.35
Correction factor (copper)	0.18
Correction factor (St37)	1
Correction factor (stainl. steel)	0.67
Hysteresis	10 %
No-load current	10 mA
Norm measuring plate	9x9x1
Number of pins	3
Rated switching current	200 mA
Relative repeat accuracy	5 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	3 mm
Switching frequency	1000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact

## ELECTRICAL FEATURES

Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

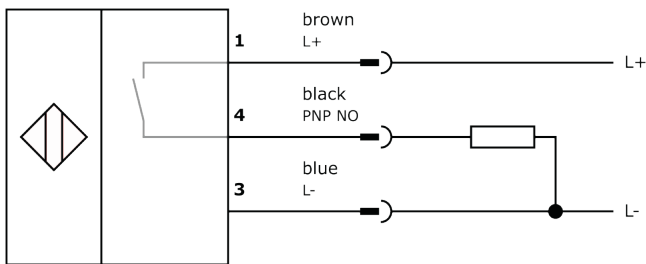
## Other

Packaging dimensions	100mm x 17.0mm x 120mm
Shipping weight	0.02kg
Tariff code	85365019

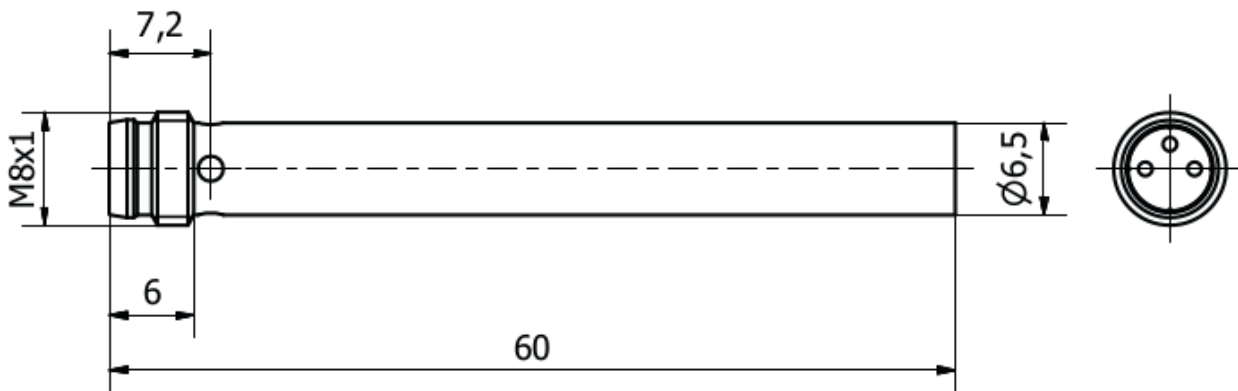
## Classification

ipf product group	201
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.