

## IA120100

### INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, preferential, M12x1 50long, Flush, Sn: 2, 10-30V DC, PNP NO, Cable 2m PVC, IP67, Brass Nickel-plated



#### MECHANICAL FEATURES

	IV000197
Active area material of sensor	PBT
Ambient temperature	-25 °C ... 70 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing coating	Nickel-plated
Housing design	Cylinder, screw-thread
Housing material	Brass
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	50 mm
Thread length	38 mm
Thread pitch	1 mm
Thread size, metric	12

#### 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	12x12x1
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	2 mm
Switching frequency	800 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 LED display	+
With monitoring function of downstream devices	-

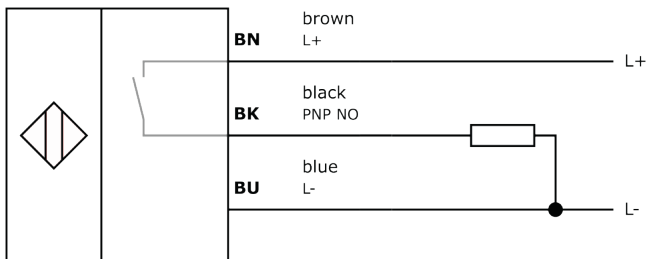
## Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.1kg
Tariff code	85365019

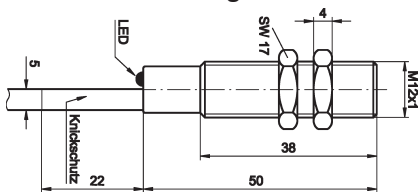
## Classification

ipf product group	216
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.