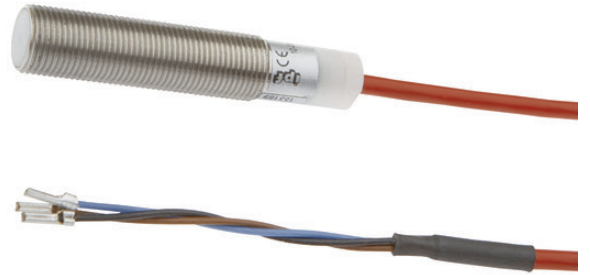


**IB1201K2**
**INDUCTIVE SENSORS • ATMOSPHERIC-CHANGE RESISTANT**

sensor inductive, M12x1 63long, Flush, Sn: 2, 10-30V DC, 120°C, PNP  
NO, Cable 10m FEP, IP69K, V4A


**MECHANICAL FEATURES**

Active area material of sensor	Polytetrafluorethylene (PTFE)
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 120 °C
Atmospheric-change resistant (temperature cycle)	+
Cable infeed	Axial
Cable length	10 m
Degree of protection (IP)	IP69K
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4571
Increased ambient temperatures > 80°C	+
Material of cable sheath	FEP
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure resistance	10 bar
Pressure-proof	-
Sensor length	63 mm
Thread length	35 mm
Thread pitch	1 mm
Thread size, metric	12
Wire cross section	0.34 mm <sup>2</sup>

**ELECTRICAL FEATURES**

Cascadable	-
Hysteresis	10 %
No-load current	4 mA
Norm measuring plate	12x12x1
Rated switching current	200 mA
Relative repeat accuracy	3 %
Residual ripple	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	1000 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 FEATURES

Hygienic and wet area	+
Oil and cooling lubricants	+

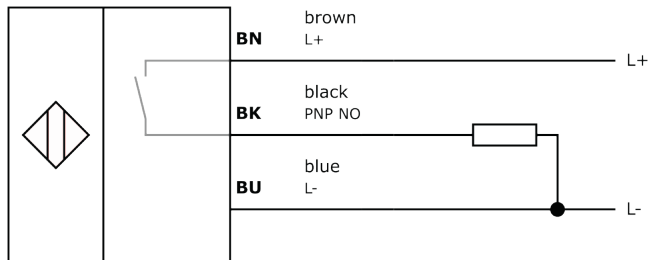
## Other

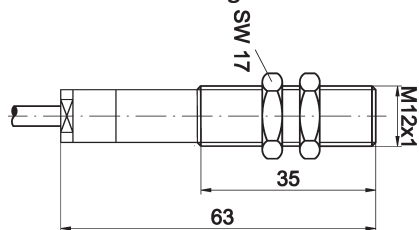
Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.38kg
Tariff code	85365019

## Classification

ipf product group	212
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.