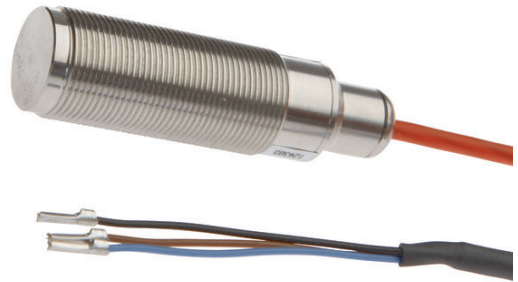


**IC1801K2**
**INDUCTIVE SENSORS • FULL-METAL HOUSING**

sensor inductive, all-steel, M18x1 66long, Flush, Sn: 5, 10-30V DC, 110°C, PNP NO, Cable 10m FEP, IP69K, V4A


**MECHANICAL FEATURES**

Active area material of sensor	Stainless steel 1.4404
Alignment of cable entry	Axial
Ambient temperature	-10 °C ... 110 °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 1.4404
Increased ambient temperatures > 80°C	+
Material of cable sheath	FEP
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	66 mm
Thread length	39.5 mm
Thread pitch	1 mm
Thread size, metric	18
Wire cross section	0.34 mm <sup>2</sup>

**ELECTRICAL FEATURES**

Cascadable	-
No-load current	5 mA
Norm measuring plate	18x18x1
Rated switching current	250 mA
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	5 mm
Switching frequency	180 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact

## ELECTRICAL FEATURES

Type of switching output	PNP
Voltage drop	1.5 V
Voltage type	DC
With monitoring function of downstream devices	-

## OTHER FEATURES

Feeding technology	+
Harsh environmental conditions	+
Hygienic and wet area	+
Metallic sensor surface	+
Oil and cooling lubricants	+

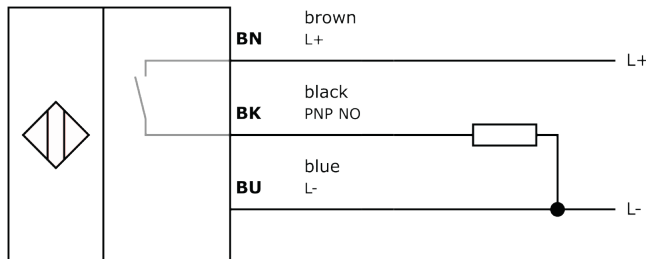
## Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.42kg
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.