

## IB050174

### INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, M5x0.5 38long, Flush, Sn: 0.8, 10-30V DC, PNP NO,  
Connector M8 3pin, IP67, Stainless steel 1.4305



#### MECHANICAL FEATURES

Active area material of sensor	Polyoxymethylene (POM)
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Max. tightening torque	1.5 Nm
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	38 mm
Thread length	18.5 mm
Thread pitch	0.5 mm
Thread size, metric	5

#### 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	5.5 mA
Norm measuring plate	5x5x1
Number of pins	3
Operating voltage	10 V ... 30 V
Rated switching current	200 mA
Relative repeat accuracy	10 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Switching distance	0.8 mm

## ELECTRICAL FEATURES

Switching frequency	2000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	1.5 V
Voltage type	DC
With LED display	+

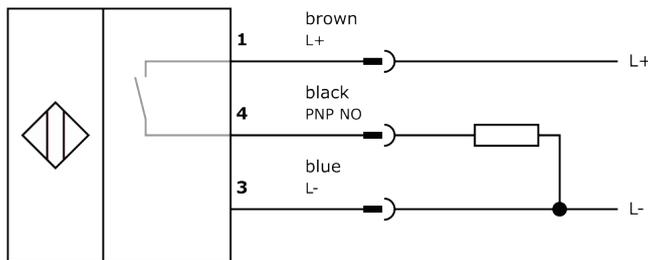
## Other

Packaging dimensions	100mm x 17.0mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

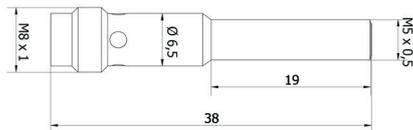
## Classification

ipf product group	200
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.