

## IB08E067

### INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, M8x1 30long, Flush, Sn: 2, 12-30V DC, 100°C, PNP NO, Cable connector M8 3pin 0.6m Polytetrafluorethylene (PTFE), IP67, Stainless steel



#### MECHANICAL FEATURES

|  |                               |
|--|-------------------------------|
| Alignment of cable entry                 | Axial                         |
| Ambient temperature                      | -25 °C ... 100 °C             |
| Cable infeed                             | Axial                         |
| Cable length                             | 0.6 m                         |
| Degree of protection (IP)                | IP67                          |
| Design                                   | Cylinder, screw-thread        |
| Housing material                         | Stainless steel               |
| Increased ambient temperatures > 80°C    | +                             |
| Material of cable sheath                 | Polytetrafluorethylene (PTFE) |
| Mechanical mounting condition for sensor | Flush                         |
| Number of cores                          | 3                             |
| Pressure-proof                           | -                             |
| Sensor length                            | 30 mm                         |
| Thread length                            | 30 mm                         |
| Thread pitch                             | 1 mm                          |
| Thread size, metric                      | 8                             |
| Wire cross section                       | 0.14 mm <sup>2</sup>          |

#### ELECTRICAL FEATURES

|                               |                    |
|-------------------------------|--------------------|
| Cascadable                    | -                  |
| Hysteresis                    | 20 %               |
| No-load current               | 12 mA              |
| Norm measuring plate          | 8x8x1              |
| Number of pins                | 3                  |
| Operating voltage             | 12 V ... 30 V      |
| Rated switching current       | 50 mA              |
| Reverse polarity protection   | +                  |
| Short-circuit protection      | +                  |
| Suitable for safety functions | -                  |
| Supply voltage                | 12 V ... 30 V      |
| Switching distance            | 2 mm               |
| Switching frequency           | 5000 Hz            |
| Type of electrical connection | Cable connector M8 |

## ELECTRICAL FEATURES

|  |                       |
|--|-----------------------|
| Type of switching function                     | Normally open contact |
| Type of switching output                       | PNP                   |
| Voltage drop                                   | 3 V                   |
| Voltage type                                   | DC                    |
| With monitoring function of downstream devices | -                     |

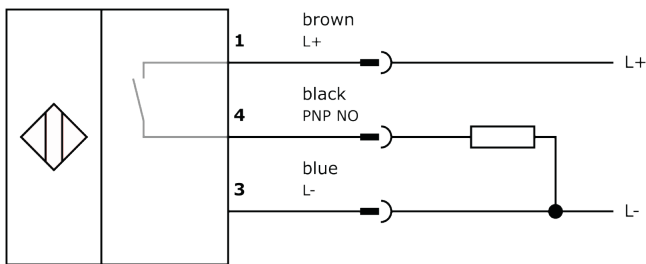
## Other

|                      |                           |
|----------------------|---------------------------|
| Packaging dimensions | 77.0mm x 25.0mm x 123.0mm |
| Shipping weight      | 0.04kg                    |
| Tariff code          | 85365019                  |

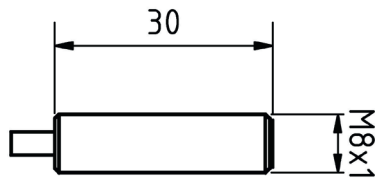
## Classification

|                   |          |
|-------------------|----------|
| ipf product group | 700      |
| 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.

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