

**IB160170**
**INDUCTIVE SENSORS • NORM SWITCHING DISTANCE**

sensor inductive, 28x10x16mm, Flush, Sn: 2, 10-30V DC, PNP NO,  
Connector M8 3pin, IP67, PA 6 (synthetic)


**MECHANICAL FEATURES**

|  |                  |
|--|------------------|
| Active area material of sensor           | PA 6 (synthetic) |
| Ambient temperature                      | -25 °C ... 70 °C |
| Cable infeed                             | Axial            |
| Degree of protection (IP)                | IP67             |
| Design                                   | Cuboid           |
| Housing material                         | PA 6 (synthetic) |
| Mechanical mounting condition for sensor | Flush            |
| Pressure-proof                           | -                |
| Sensor height                            | 28 mm            |
| Sensor length                            | 10.5 mm          |
| Sensor width                             | 16 mm            |

**ELECTRICAL FEATURES**

|  |                       |
|--|-----------------------|
| Cascadable                                     | -                     |
| Hysteresis                                     | 15 %                  |
| No-load current                                | 11 mA                 |
| Number of pins                                 | 3                     |
| Rated switching current                        | 200 mA                |
| Reverse polarity protection                    | +                     |
| Short-circuit protection                       | +                     |
| Suitable for safety functions                  | -                     |
| Supply voltage                                 | 10 V ... 30 V         |
| Switching distance                             | 2 mm                  |
| Switching frequency                            | 800 Hz                |
| Type of electrical connection                  | Connector M8          |
| Type of switching function                     | Normally open contact |
| Type of switching output                       | PNP                   |
| Voltage drop                                   | 1.6 V                 |
| Voltage type                                   | DC                    |
| With LED display                               | +                     |
| With monitoring function of downstream devices | -                     |

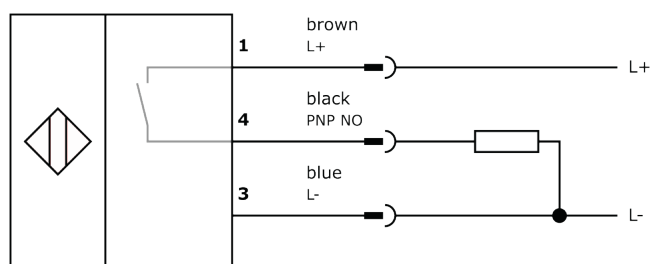
## Other

|                      |                        |
|----------------------|------------------------|
| Packaging dimensions | 100mm x 17.0mm x 120mm |
| Shipping weight      | 0.02kg                 |
| Tariff code          | 85365019               |

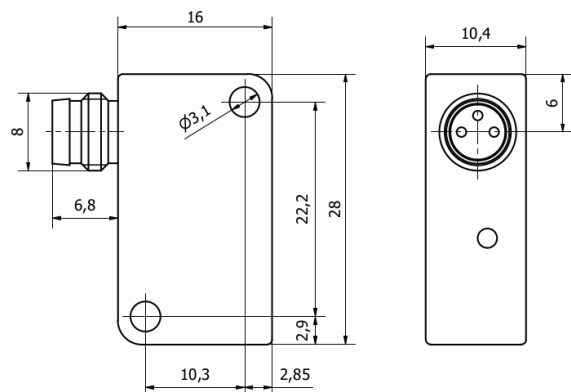
## Classification

|                   |          |
|-------------------|----------|
| ipf product group | 215      |
| 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.