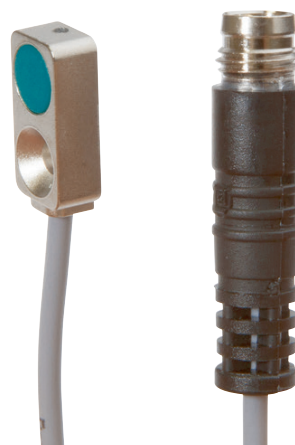


## IB98C722

### INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.



#### MECHANICAL DATA

|  |                  |
|--|------------------|
| Active area material of sensor           | PBT              |
| Ambient temperature                      | -25 °C ... 75 °C |
| Cable length                             | 0.2 m            |
| Degree of protection (IP)                | IP67             |
| Housing coating                          | Nickel-plated    |
| Housing design                           | Cuboid           |
| Housing material                         | Zinc die-cast    |
| Material of cable sheath                 | PVC              |
| Mechanical mounting condition for sensor | Flush            |
| Pressure-proof                           | No               |
| Sensor height                            | 16 mm            |
| Sensor length                            | 4.7 mm           |
| Sensor width                             | 8 mm             |

#### ELECTRICAL DATA

|                               |                       |
|-------------------------------|-----------------------|
| Cascadable                    | No                    |
| Hysteresis                    | 20 %                  |
| IO-Link compatible            | No                    |
| Max. output current           | 100 mA                |
| No-load current               | 12 mA                 |
| Reverse polarity protection   | Yes                   |
| Short-circuit-proof           | Yes                   |
| Suitable for safety functions | No                    |
| Supply voltage                | 10 V ... 30 V         |
| Switching distance            | 2 mm                  |
| Switching frequency           | 5000 Hz               |
| Type of electrical connection | Connector M8          |
| Type of switching function    | Normally open contact |
| Type of switching output      | PNP                   |
| Voltage drop                  | 2 V                   |
| Voltage type                  | DC                    |

## ELECTRICAL DATA

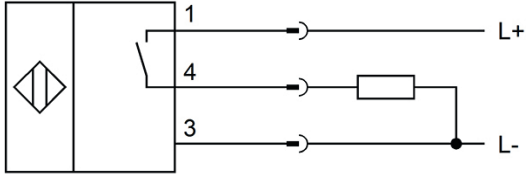
With LED display

Yes

With monitoring function of downstream devices

No

## CONNECTION



**Colors:** 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

**Functions:** 1 = L+, 3 = L-, 4 = PNP NO

## 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!