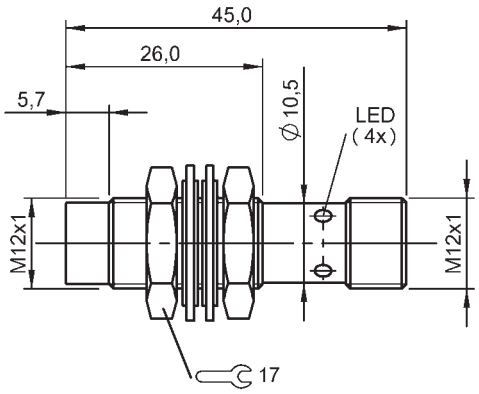
Inductive sensor

**BES M12MC1-PSC10F-S04G**
**BES02WK**

BALLUFF
sensors worldwide



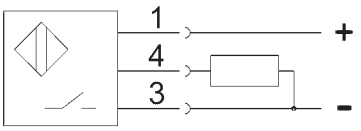

- **PNP**
- **Normally open (NO)**
- **10.00 mm**
- **Non embeddable**
- **Connector, M12x1-S04**

**General attributes**

| | |
|---|---|
| Approvals / Conformity | CE |
| | cULus |
| | CE |
| Basic standard | IEC 60947-5-2 |
| Enclosure Type per IEC 60529 | IP67 |
| Function indicator | Yes |
| Operating distance marking | ■■■ |
| Polarity reversal protected | Yes |
| Power indicator | No |
| Short circuit protected | Yes |
| Trademark | TripleProx |

**Electrical attributes**

| | |
|---|---|
| Connection type | Connector |
| Eff. operating current Ie | 200 mA |
| Eff. operating voltage Ue DC | 24.0 V |
| Electrical version | DC, direct current |
| Load capacitance max. (at Ue) | 1.000 µF |
| Max. no-load cur. Io undamped | 10.0 mA |
| Minimum operating current Im | 0 mA |
| No-load current Io damped max. | 10.0 mA |
| Operating voltage UB max. DC [V] | 30.0 V |
| Operating voltage UB min. DC [V] | 10.0 V |
| Rated insulation voltage Ui | 75 VDC |
| Rated short circuit current | 100 A |




IND. CONT. EQ.
11RZ
for use in the secondary of a class 2 source of supply

| | |
|---|---|
| Ripple max. (% of Ue) | 20 % |
| Switching freq. f max. (at Ue) | 400 Hz |
| Switching function | Normally open (NO) |
| Switching output | PNP |
| Voltage drop static max. | 2.0 V |

**Mechanical attributes**

| | |
|---|---|
| Ambient temperature Ta max. | 70 °C |
| Ambient temperature Ta min. | -25 °C |
| Assured operating distance Sa | 8.00 mm |
| Connector type | M12x1-S04 |
| Depth | 45.0 mm |
| Diameter d1 | M12x1 |
| Eff. operating distance Sr | 10.00 mm |
| Housing material | CuZn |
| Mech. installation condition | Non embeddable |
| Mounting length | 21.3 mm |
| Rated operating distance Sn [mm] | 10.00 mm |
| Sensing face material | PBT |
| Surface protection | Chrome-plated |
| Tightening torque | 10 Nm |

**Additional text**
With connector, e.g. BKS-S 20-… total length = switch length +18 mm.
The sensor is functional again after the overload has been eliminated.

