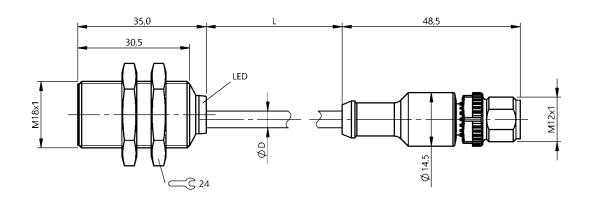
BES M18ME-PSC50B-BP00,2-GS04

Order Code: BES05AN















| Dasic Italuits | Ва | sic | features |
|----------------|----|-----|----------|
|----------------|----|-----|----------|

| Approval/Conformity | CE |
|---------------------|---------------|
| | UKCA |
| | cULus |
| | WEEE |
| Basic standard | IEC 60947-5-2 |

Display/Operation

| Function indicator | yes | |
|--------------------|-----|--|
| Power indicator | no | |

Electrical connection

Short-circuit protection

| Cable diameter D | 4.50 mm |
|-----------------------------------|-----------------------------------|
| Cable length L | 0.2 m |
| Conductor cross-section | 0.34 mm ² |
| Connection | M12x1-Male, 3-pin, A-coded |
| Connection type | Cable with connector, 0.20 m, PUR |
| Number of conductors | 3 |
| Polarity reversal protected | yes |
| Protection against device mix-ups | yes |

yes

Electrical data

Subject to change without notice: 255010

| Load capacitance max. at Ue | 0.5 μF |
|-----------------------------------|---------------|
| Min. operating current Im | 0 mA |
| No-load current Io max., damped | 8 mA |
| No-load current lo max., undamped | 2 mA |
| Operating voltage Ub | 1030 VDC |
| Output resistance Ra | 33.0 kOhm + D |
| Protection class | II |
| Rated insulation voltage Ui | 250 V AC |
| Rated operating current le | 200 mA |
| Rated operating voltage Ue DC | 24 V |
| Rated short circuit current | 100 A |
| Ready delay tv max. | 30 ms |
| Residual current Ir max. | 10 μΑ |
| Ripple max. (% of Ue) | 15 % |
| Switching frequency | 2000 Hz |
| Utilization category | DC -13 |
| Voltage drop static max. | 2.5 V |
| | |

| Environmental conditions | | | |
|--------------------------|---------------------------------------|--|--|
| Ambient temperature | -4085 °C | | |
| Contamination scale | 3 | | |
| EN 60068-2-27, Shock | Half-sinus, 30 g _n , 11 ms | | |
| EN 60068-2-6, Vibration | 55 Hz, amplitude 1 mm, 3x30 min | | |
| IP rating | IP68 | | |
| Functional safety | | | |
| MTTF (40 °C) | 465 a | | |
| Interface | | | |
| Switching output | PNP normally open (NO) | | |

BES M18ME-PSC50B-BP00,2-GS04 Order Code: BES05AN



Material

Housing material Brass, Nickel-free coated

Material jacketPURMaterial sensing surfacePBT

Mechanical data

 Size
 M18x1

 Tightening torque
 25 Nm

Range/Distance

Remarks

The sensor is functional again after the overload has been eliminated. For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams

