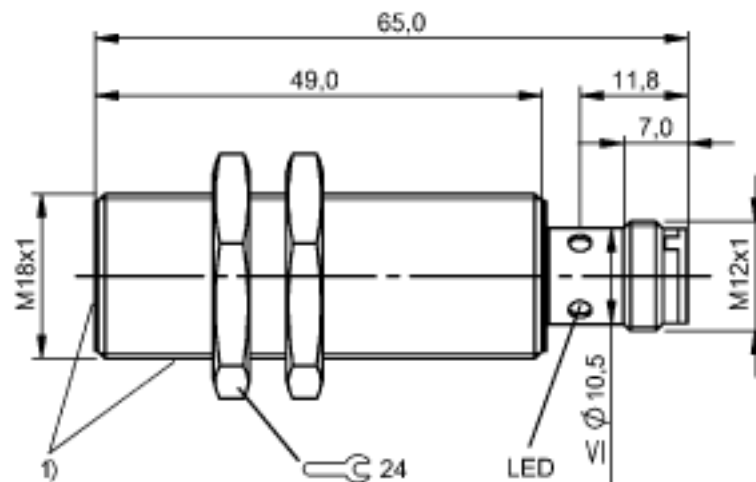


BES M18EI-PSC72B-S04G-S01  
BES02NK

PNP  
NO  
flush mountable



#### Electrical data:

|                                             |                    |
|---------------------------------------------|--------------------|
| Connection                                  | Connector S4 (M12) |
| Electrical type                             | DC                 |
| Load capacitance max                        | 0.5 $\mu$ F        |
| No-load supply current damped               | 10 mA              |
| Operating frequency (f)                     | 250 Hz             |
| Rated conditional short circuit current     | 100 A              |
| Time delay before availability              | 20 ms              |
| Hysteresis max (H)                          | 10 %               |
| Switching output                            | PNP                |
| Switching element function                  | NO                 |
| Load current capacity (I <sub>e</sub> )     | 200 mA             |
| Rated insulation voltage (U <sub>i</sub> )  | 75 DC              |
| No-load supply current undamped             | 12 mA              |
| Off-state current max (I <sub>r</sub> )     | 10 $\mu$ A         |
| Voltage drop max. static                    | 2.5 V              |
| Supply voltage max. (U <sub>b</sub> )       | 30 V               |
| Rated operational voltage (U <sub>e</sub> ) | 24 DC V            |
| Utilization category                        | DC 13              |
| Ripple max. of U <sub>e</sub>               | 10 %               |
| Supply voltage min. (U <sub>b</sub> )       | 10 V               |

#### Mechanical data:

|                               |                    |
|-------------------------------|--------------------|
| Number of Wires               | 3-wire             |
| Degree of pollution           | 3                  |
| Sensing face material         | steel PTFE coated  |
| Diameter                      | M18x1 mm           |
| Ambient temperature max       | +70 °C             |
| Ambient temperature min       | -25 °C             |
| Rated operating distance (sn) | 7.2 mm             |
| Housing material              | steel, PTFE coated |
| Mounting                      | flush mountable    |
| Repeat accuracy max. (R)      | 5 %                |

#### General data:

|                                     |                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| Output indication                   | yes                                                                                                        |
| Recommended connector               | BKS S19-14                                                                                                 |
| Protected against polarity reversal | yes                                                                                                        |
| Short circuit protected             | yes                                                                                                        |
| Power Indication                    | no                                                                                                         |
| Brand                               | Steelface                                                                                                  |
| Degree of protection IP             | IP67                                                                                                       |
| Approval                            | CE, c_ul_us                                                                                                |
| Features                            | Resistance to abrasive media and aggressive coolants and lubricants;<br>Rugged active surface (1 mm steel) |

#### Wiring:



#### Pinout:

