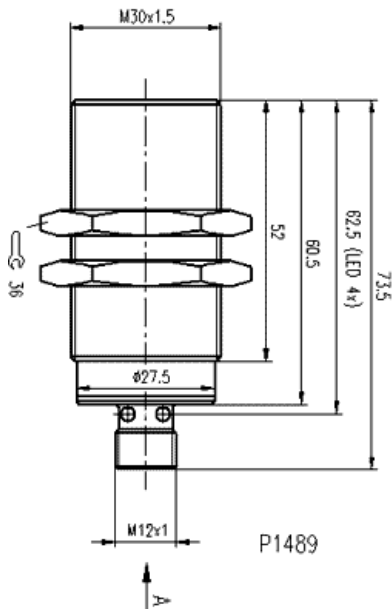


BES M30MI1-NSC22B-S04G  
BES02YK

NPN  
NO  
quasi flush mountable



Electrical data:

|                                             |                    |
|---------------------------------------------|--------------------|
| Load current capacity (I <sub>e</sub> )     | 200 mA             |
| No-load supply current undamped             | 10 mA              |
| Off-state current max (I <sub>r</sub> )     | 100 µA             |
| Supply voltage max. (U <sub>b</sub> )       | 30 V               |
| Rated operational voltage (U <sub>e</sub> ) | 24 DC V            |
| Utilization category                        | DC 13              |
| Hysteresis max (H)                          | 10 %               |
| Ripple max. of U <sub>e</sub>               | 20 %               |
| Supply voltage min. (U <sub>b</sub> )       | 10 V               |
| Time delay before availability              | 200 ms             |
| Operating frequency (f)                     | 200 Hz             |
| Voltage drop max. static                    | 2 V                |
| Connection                                  | Connector S4 (M12) |
| Electrical type                             | DC                 |
| No-load supply current damped               | = 10 mA            |
| Switching output                            | NPN                |
| Switching element function                  | NO                 |

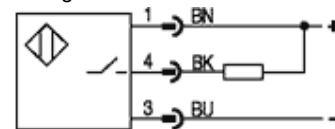
Mechanical data:

|                               |                       |
|-------------------------------|-----------------------|
| Mounting                      | quasi flush mountable |
| Ambient temperature min       | -25 °C                |
| Diameter                      | M30x1.5 mm            |
| Ambient temperature max       | +70 °C                |
| Number of Wires               | 3-wire                |
| Degree of pollution           | 3                     |
| Sensing face material         | PBTP                  |
| Tightening torque             | 70 Nm                 |
| Rated operating distance (sn) | 22 mm                 |
| Assured operating distance    | 0...17,8 mm           |
| Housing material              | CuZn, chrome plated   |
| Repeat accuracy max. (R)      | 5 %                   |

General data:

|                                     |      |
|-------------------------------------|------|
| Short circuit protected             | yes  |
| Approval                            | CE   |
| Output indication                   | yes  |
| Protected against polarity reversal | yes  |
| Degree of protection IP             | IP67 |

Wiring:



Pinout:

