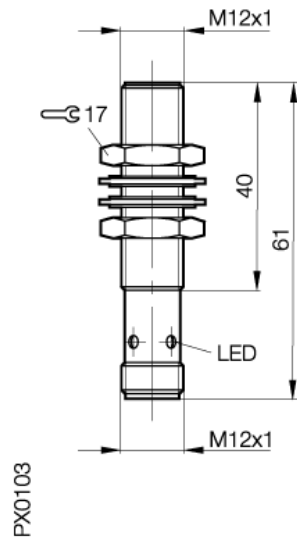


BES 516-113-SA 2-S 4-CW  
BES02J4

PNP  
NO/NC  
flush mountable



#### Electrical data:

|                                             |                    |
|---------------------------------------------|--------------------|
| Utilization category                        | DC 13              |
| Off-state current max (I <sub>r</sub> )     | 80 µA              |
| Ripple max. of U <sub>e</sub>               | = 15 %             |
| Supply voltage max. (U <sub>b</sub> )       | 30 V               |
| Rated operational voltage (U <sub>e</sub> ) | 24 DC V            |
| Load current capacity (I <sub>e</sub> )     | 200 mA             |
| Switching element function                  | NO/NC              |
| Operating frequency (f)                     | 1000 Hz            |
| Connection                                  | Connector S4 (M12) |
| Electrical type                             | DC                 |
| No-load supply current damped               | = 20 mA            |
| Voltage drop max. static                    | 2,5 V              |
| Time delay before availability              | 60 ms              |
| Hysteresis max (H)                          | 15 %               |
| Switching output                            | PNP                |
| Supply voltage min. (U <sub>b</sub> )       | 10 V               |

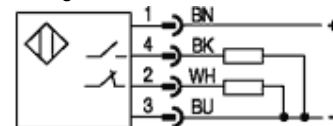
#### Mechanical data:

|                                            |                    |
|--------------------------------------------|--------------------|
| Assured operating distance                 | 0...1,6 mm         |
| Ambient temperature min                    | -25 °C             |
| Degree of pollution                        | 3                  |
| Rated operating distance (s <sub>n</sub> ) | 2 mm               |
| Diameter                                   | M12x1 mm           |
| Repeat accuracy max. (R)                   | 5 %                |
| Number of Wires                            | 4-wire             |
| Mounting                                   | flush mountable    |
| Sensing face material                      | PTFE               |
| Housing material                           | steel, PTFE coated |
| Ambient temperature max                    | +100 °C            |

#### General data:

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

#### Wiring:



#### Pinout:

