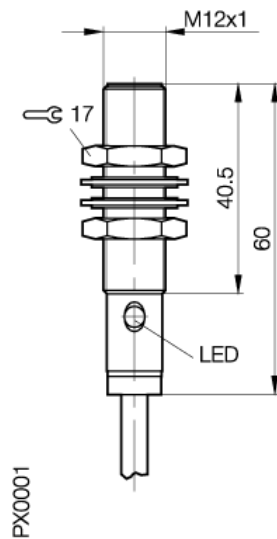


BES 516-329-BO-C-PU-03  
BES01EK

NPN  
NO  
flush mountable



#### Electrical data:

|                                             |         |
|---------------------------------------------|---------|
| Connection                                  | Cable   |
| Electrical type                             | DC      |
| Off-state current max (I <sub>r</sub> )     | 10 µA   |
| Ripple max. of U <sub>e</sub>               | = 15 %  |
| Time delay before availability              | 15 ms   |
| Hysteresis max (H)                          | 15 %    |
| Operating frequency (f)                     | 3000 Hz |
| Voltage drop max. static                    | 1,5 V   |
| Rated operational voltage (U <sub>e</sub> ) | 24 DC V |
| Load current capacity (I <sub>e</sub> )     | 200 mA  |
| Utilization category                        | DC 13   |
| Switching output                            | NPN     |
| Switching element function                  | NO      |
| No-load supply current damped               | = 10 mA |
| Supply voltage max. (U <sub>b</sub> )       | 30 V    |
| Supply voltage min. (U <sub>b</sub> )       | 10 V    |

#### Mechanical data:

|                               |                            |
|-------------------------------|----------------------------|
| Diameter                      | M12x1 mm                   |
| Assured operating distance    | 0...1,6 mm                 |
| Cable code designation        | LifY-Y-11Y-O               |
| Ambient temperature max       | +85 °C                     |
| Repeat accuracy max. (R)      | 5 %                        |
| Rated operating distance (sn) | 2 mm                       |
| Ambient temperature min       | -40 °C                     |
| Degree of pollution           | 3                          |
| Number of wires               | 3-wire                     |
| Mounting                      | flush mountable            |
| Sensing face material         | PA 12                      |
| Housing material              | corrosion resistance Steel |

#### General data:

|                                     |                    |
|-------------------------------------|--------------------|
| Approval                            | CE,c_ul_us         |
| Insulation class                    | 2                  |
| Protected against polarity reversal | yes                |
| Output indication                   | yes                |
| Short circuit protected             | yes                |
| Degree of protection IP             | IP68 per BWN Pr 20 |

#### Wiring:

