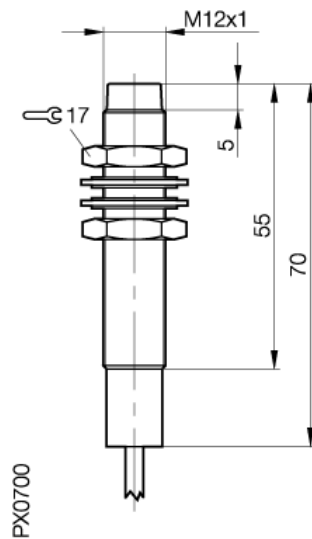


BES 113-3019-SA 1-PU-03  
BES02M3

PNP  
NC  
non flush mountable



#### Electrical data:

|                                             |         |
|---------------------------------------------|---------|
| Connection                                  | Cable   |
| Electrical type                             | DC      |
| 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    |
| Supply voltage min. (U <sub>b</sub> )       | 20 V    |
| Time delay before availability              | 50 ms   |
| No-load supply current damped               | = 25 mA |
| Operating frequency (f)                     | 300 Hz  |
| Voltage drop max. static                    | 2,5 V   |
| Load current capacity (I <sub>e</sub> )     | 130 mA  |
| Rated operational voltage (U <sub>e</sub> ) | 24 DC V |
| Utilization category                        | DC 12   |
| Hysteresis max (H)                          | 15 %    |
| Switching output                            | PNP     |
| Switching element function                  | NC      |

#### Mechanical data:

|                                            |                     |
|--------------------------------------------|---------------------|
| Rated operating distance (s <sub>n</sub> ) | 3,7 mm              |
| Diameter                                   | M12x1 mm            |
| Ambient temperature min                    | -25 °C              |
| Degree of pollution                        | 3                   |
| Repeat accuracy max. (R)                   | 5 %                 |
| Assured operating distance                 | 0...2,9 mm          |
| Mounting                                   | non flush mountable |
| Sensing face material                      | PA 12               |
| Housing material                           | CuZn, nickel plated |
| Number of wires                            | 3-wire              |
| Cable code designation                     | LifY-11Y-Y-O        |
| Ambient temperature max                    | +70 °C              |

#### General data:

|                                     |                     |
|-------------------------------------|---------------------|
| Degree of protection IP             | IP65                |
| Protected against polarity reversal | yes                 |
| Brand                               | Diagnostics         |
| Approval                            | CE                  |
| Features                            | function diagnostic |
| Short circuit protected             | yes                 |

#### Wiring:

