



## BNS 260-02Z-L 5,0M

- Thermoplastic enclosure
- Small body
- Concealed mounting possible
- 26 mm x 36 mm x 13 mm
- Long life
- no mechanical wear
- Insensitive to transverse misalignment
- Insensitive to soiling

## Data

### Ordering data

EAN (European Article Number) 4030661352084

### Approval - Standards

Certificates TÜV  
BG  
cULus  
EAC

### General data

Standards IEC 60947-5-3  
BG-GS-ET-14

Coding level according to ISO 14119 Low

Active principle Magnetic drive

|   |                                       |
|---|---------------------------------------|
| Installation conditions<br>(mechanical) | quasi-flush                           |
| Enclosure material                      | Glass-fibre, reinforced thermoplastic |
| Gross weight                            | 226.8 g                               |

### General data - Features

|                           |   |
|---------------------------|---|
| Number of openers         | 2 |
| Number of safety contacts | 2 |
| Number of cable wires     | 4 |

### Safety appraisal

|              |                |
|--------------|----------------|
| Standards    | EN ISO 13849-1 |
| Mission Time | 20 Year(s)     |

### Safety appraisal - Safety outputs

|                                      |                       |
|--------------------------------------|-----------------------|
| B10d Normally-closed<br>contact (NC) | 25,000,000 Operations |
|--------------------------------------|-----------------------|

### Mechanical data

|                     |                               |
|---------------------|-------------------------------|
| Actuating element   | Magnet                        |
| Direction of motion | Head-on to the active surface |

### Mechanical data - Switching distances according IEC 60947-5-3

|  |  |
|--|--|
| Notice (Switch distance $S_n$ )          | Axial misalignment, a horizontal and vertical misalignment of the safety sensor and the actuator are tolerated. The possible misalignment depends on the distance of the active surfaces of the sensor and the actuator. The sensor remains active within the tolerance range. |
| Ensured switch distance<br>"ON" $S_{ao}$ | 5 mm   |

|                         |       |
|-------------------------|-------|
| Ensured switch distance | 15 mm |
| "OFF" S <sub>ar</sub>   |       |

### **Mechanical data - Connection technique**

|                              |                      |
|------------------------------|----------------------|
| Terminal Connector           | Cable                |
| Length of cable              | 5 m                  |
| Wire cross-section           | 0.25 mm <sup>2</sup> |
| Material of the Cable mantle | PVC                  |

### **Mechanical data - Dimensions**

|                  |       |
|------------------|-------|
| Length of sensor | 13 mm |
| Width of sensor  | 26 mm |
| Height of sensor | 36 mm |

### **Ambient conditions**

|   |                              |
|---|------------------------------|
| Degree of protection                          | IP67                         |
| Ambient temperature,<br>minimum               | -25 °C                       |
| Ambient temperature,<br>maximum               | +70 °C                       |
| Storage and transport<br>temperature, minimum | -25 °C                       |
| Storage and transport<br>temperature, maximum | +70 °C                       |
| Resistance to vibrations to<br>EN 60068-2-6   | 10 ... 55 Hz, amplitude 1 mm |
| Resistance to shock                           | 30 g / 11 ms                 |

### **Electrical data**

|                            |       |
|----------------------------|-------|
| Switching current, maximum | 0.4 A |
|----------------------------|-------|

Switching capacity,maximum 10 VA

Switching frequency,  
maximum 5 Hz

## Scope of delivery

Included in delivery Actuators must be ordered separately.

## Accessory

Recommendation (actuator) BPS 260

Recommended safety  
switchgear SRB-E-301ST  
SRB-E-201LC

## Notes

Note (General) Contact symbols shown for the closed condition of the guard device.  
The contact configuration for versions with or without LED is identical.

## Circuit example

Note (Wiring diagram) The contacts S11-S12 and S21-S22 must be integrated in the safety circuit.

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 11/9/2021, 11:19 AM