## BNS 36-02Z-ST-R

- **Long life**
- **no mechanical wear**
- **88 mm x 25 mm x 13 mm**
- **Insensitive to soiling**
- **Thermoplastic enclosure**
- **Concealed mounting possible**
- **Insensitive to transverse misalignment**
- **Connector M8, 4-pole, Latching interlocking**

### Data

| | |
|---|---|
| **Ordering data** | |
| | BNS 36-02Z-ST-R |
| | 101189905 |
| EAN (European Article Number) | 4030661359984 |
| eCl@ss number, Version 9.0 | 27-27-24-02 |
| **Approval - Standards** | |
| | TÜV<br>cULus<br>EAC |
| **General data** | |
| | BNS 36 |
| | IEC 60947-5-3<br>BG-GS-ET-14 |
| Installation conditions (mechanical) | quasi-flush |
| Enclosure material | Glass-fibre, reinforced thermoplastic |
| Gross weight | 30 g |
| **General data - Features** | |
| Coding | Yes |
| Number of openers | 2 |

| | |
|---|---|
| Number of safety contacts | 2 |
| **Safety appraisal** | |
| | ISO 13849-1 |
| Mission Time | 20 Year(s) |
| **Safety appraisal - Safety outputs** | |
| B10d Normally-closed contact (NC) | 25,000,000 Operations |
| **Mechanical data** | |
| Actuating element | Magnet |
| Door hinge | Right |
| Ensured switch distance "ON" $S_{ao}$ | 7 mm |
| Ensured switch distance "OFF" $S_{ar}$ | 17 mm |
| Notice (Switch distance Sn) | 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. |
| Direction of motion | Head-on to the active surface |
| **Mechanical data - Connection technique** | |
| Terminal Connector | Connector M8, 4-pole, Latching interlocking |
| **Mechanical data - Dimensions** | |
| Height of sensor | 25 mm |
| Length of sensor | 13 mm |
| Width of sensor | 88 mm |
| **Ambient conditions** | |
| | IP67 |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +70 °C |
| Storage and transport temperature, minimum | -25 °C |
| Storage and transport temperature, maximum | +70 °C |
| Resistance to vibrations to EN 60068-2-6 | 10 ... 55 Hz, amplitude 1 mm |

| | |
|---|---|
| | 30 g / 11 ms |
| **Electrical data** | |
| Voltage type | DC (direct current) |
| Switching voltage, maximum | 75 VDC |
| Switching current, maximum | 0.4 A |
| Switching capacity, maximum | 10 W |
| Switching frequency, maximum | 5 Hz |
| **Scope of delivery** | |
| Included in delivery | Actuators must be ordered separately. |
| **Accessory** | |
| | BPS 36-2<br>SRB-E-301ST<br>SRB-E-201LC |
| **Notes** | |
| Note (General) | The number in brackets indicate the PIN number of the connector. |
| **Ordering code** | |

Product type description:

BNS 36-(1)(2)Z(3)-(4)-(5)

(1)

**11** 1 NO contacts/1 NC contact

**02** 2 NC contact

(2)

**without** with diagnostic output

**/01** 1 NC contact

(3)

**without** without LED switching conditions display

**G** with LED switching conditions display

(4)

**without** Pre-wired cable

**ST** with connector

(5)

**L** Door hinge on left-hand side

**R** Door hinge on right-hand side

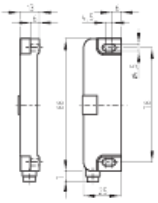
**Pictures**

**Photo/Product/Catalogue**


ID: kbns3f16

| 23,4 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel - 72 dpi
| 285,3 kB | .jpg | 352.778 x 115.006 mm - 1000 x 326 Pixel - 72 dpi

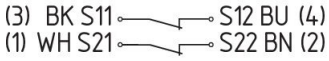
**Dimension/Product/Basic**



ID: 1bns3g14

| 60,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 24,1 kB | .cdr |
| 3,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

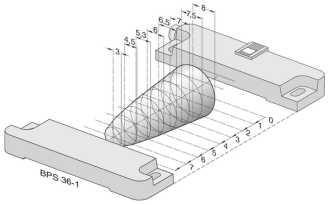
**Graphic/Product/Contact**




ID: kbns2k25

| 56,8 kB | .jpg | 352.778 x 70.203 mm - 1000 x 199 Pixel - 72 dpi

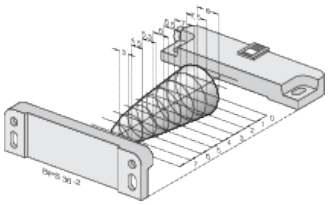
**Diagramm/Product/Curve**




ID: kbns3a29

| 110,2 kB | .png | 50.038 x 30.649 mm - 591 x 362 Pixel - 300 dpi
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612 Pixel - 72 dpi
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612 Pixel - 72 dpi

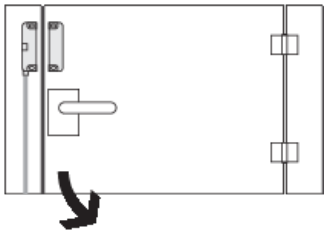
**Diagramm/Product/Curve**



ID: kbns3a30

| 41,1 kB | .cdr |
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611 Pixel - 72 dpi
| 16,9 kB | .png | 74.083 x 45.156 mm - 210 x 128 Pixel - 72 dpi

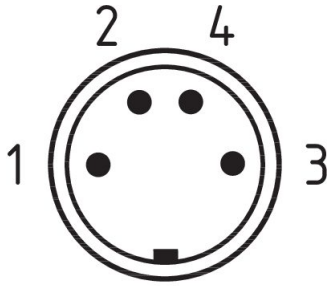
**Illistration/Product/Function**



ID: kbn36c01

| 1,8 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi
| 52,3 kB | .jpg | 352.778 x 250.825 mm - 1000 x 711 Pixel - 72 dpi
| 20,2 kB | .cdr |

**Graphic/Product/PIN**




ID: km8--k4b

| 17,0 kB | .cdr |