



## BN 32-R-1279 1,0M

- Flat plug-in connector 4.8 mm
- Non-contact principle
- 1 Reed contacts
- Long life
- Actuating surface and direction of actuation marked by switch symbol
- 85 mm x 26 mm x 24 mm
- Thermoplastic enclosure
- Actuating distance up to 55 mm depending on actuating magnet and version
- Spade connector

## Data

### Ordering data

|                               |                   |
|-------------------------------|-------------------|
| Product type description      | BN 32-R-1279 1,0M |
| Article number (order number) | 101080369         |
| EAN (European Article Number) | 4030661025322     |
| eCl@ss number, version 12.0   | 27-27-43-02       |
| eCl@ss number, version 11.0   | 27-27-01-05       |
| eCl@ss number, version 9.0    | 27-27-01-05       |
| ETIM number, version 7.0      | EC002544          |
| ETIM number, version 6.0      | EC002544          |

### General data

|                           |                                       |
|---------------------------|---------------------------------------|
| Working principle         | Magnetic drive                        |
| Housing construction form | rectangular                           |
| Housing material          | Glass-fibre, reinforced thermoplastic |

|             |         |
|-------------|---------|
| Active area | Plastic |
|-------------|---------|

|              |       |
|--------------|-------|
| Gross weight | 128 g |
|--------------|-------|

### General data - Features

|          |     |
|----------|-----|
| Latching | Yes |
|----------|-----|

|                        |     |
|------------------------|-----|
| Suitable for elevators | Yes |
|------------------------|-----|

|                            |   |
|----------------------------|---|
| Number of snap-in contacts | 1 |
|----------------------------|---|

### Mechanical data

|                   |        |
|-------------------|--------|
| Actuating element | Magnet |
|-------------------|--------|

|                          |                          |
|--------------------------|--------------------------|
| Mechanical life, minimum | 1,000,000,000 Operations |
|--------------------------|--------------------------|

|                          |        |
|--------------------------|--------|
| Actuating speed, maximum | 18 m/s |
|--------------------------|--------|

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

Note (Switching distance  $S_n$ )    Actuating distance up to 55 mm depending on version and actuating magnet

### Mechanical data - Connection technique

|                 |     |
|-----------------|-----|
| Length of cable | 1 m |
|-----------------|-----|

|                    |                      |
|--------------------|----------------------|
| Wire cross-section | 0.75 mm <sup>2</sup> |
|--------------------|----------------------|

|                    |        |
|--------------------|--------|
| Wire cross-section | 18 AWG |
|--------------------|--------|

|                              |         |
|------------------------------|---------|
| Material of the Cable mantle | H03VV-F |
|------------------------------|---------|

### Mechanical data - Dimensions

|                  |       |
|------------------|-------|
| Length of sensor | 24 mm |
|------------------|-------|

|                 |       |
|-----------------|-------|
| Width of sensor | 85 mm |
|-----------------|-------|

|                  |       |
|------------------|-------|
| Height of sensor | 26 mm |
|------------------|-------|

### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

|                        |                                |
|------------------------|--------------------------------|
| Ambient temperature    | -25 ... +90 °C                 |
| Resistant to vibration | 15 g, on sine wave oscillation |

## Electrical data

|                                |        |
|--------------------------------|--------|
| Switching current, maximum     | 3 A    |
| Switching capacity,<br>maximum | 120 W  |
| Switching capacity,<br>maximum | 120 VA |

## Electrical data - Digital Output

|                            |               |
|----------------------------|---------------|
| Design of control elements | Reed contacts |
|----------------------------|---------------|

## Scope of delivery

|                   |                                      |
|-------------------|--------------------------------------|
| Scope of delivery | Actuator must be ordered separately. |
|-------------------|--------------------------------------|

## Accessory

|                           |                                                                                                                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommendation (actuator) | BP 10 S<br>2x BP 10 S<br>BP 15 S<br>BP 34 S<br>BP 20 S<br>BP 31 S<br>BP 11 S<br>2x BP 11 S<br>BP 12 S<br>BP 21 S<br>2x BP 21 S<br>BP 10 N<br>2x BP 10 N<br>BP 15 N<br>2 x BP 15/2 N<br>2x BP 15/2 S<br>BP 34 N<br>BP 20 N<br>BP 31 N |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Note

Note (General)                      The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

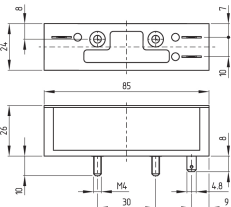
## Pictures

### Product picture (catalogue individual photo)



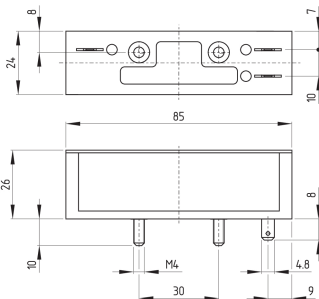
ID: kbn32f02  
| 281.3 kB | .jpg | 352.778 x 192.617 mm - 1000 x 546 px - 72 dpi  
| 20.4 kB | .png | 74.083 x 40.569 mm - 210 x 115 px - 72 dpi  
| 35.6 kB | .jpg | 123.472 x 67.381 mm - 350 x 191 px - 72 dpi

### Dimensional drawing basic component



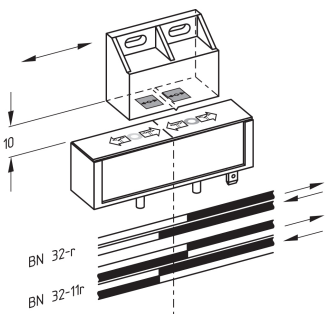
ID: 1bn32g03  
| 28.6 kB | .cdr |  
| 3.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi  
| 85.4 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

### Dimensional drawing basic component



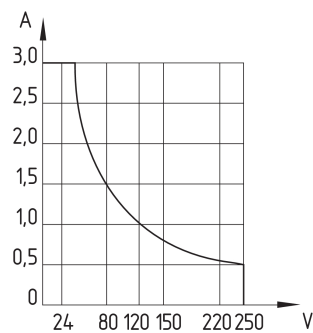
ID: kbn32g03  
| 27.7 kB | .cdr |  
| 4.0 kB | .png | 74.083 x 68.439 mm - 210 x 194 px - 72 dpi  
| 116.9 kB | .jpg | 352.778 x 325.967 mm - 1000 x 924 px - 72 dpi

## Diagram



ID: 1bn32k02  
| 32.7 kB | .cdr |  
| 197.8 kB | .jpg | 352.778 x 336.55 mm - 1000 x 954 px - 72 dpi  
| 19.3 kB | .png | 74.083 x 70.556 mm - 210 x 200 px - 72 dpi

Characteristic curve



ID: kbn32d01  
| 110.5 kB | .jpg | 352.425 x 371.828 mm - 999 x 1054 px - 72 dpi

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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.  
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