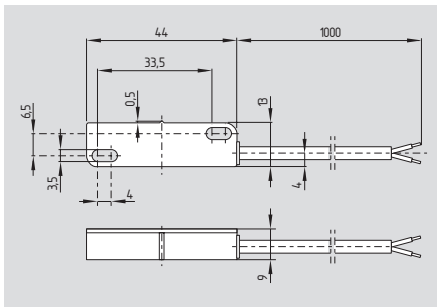


Magnetic reed switches

BN 80



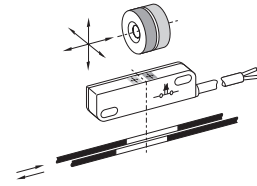
- Thermoplastic enclosure
- Flat design
- Long life
- Non-contacting principle
- 1 Reed contact
- Actuating distance up to 60 mm depending on actuating magnet and version
- Actuating surface marked by protrusion
- Pre-wired cable available, cable length 1 m
- Protection class IP 67

Technical data

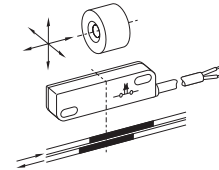
Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 67 to EN 60529
 Termination: cable LiYY 2 x 0.25 mm², length 1 m
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 Switching current: max. 0.5 A
 Switching capacity: max. 10 VA, 8 W
 Dielectric strength: > 450 VAC (50 Hz)
 Switching time "Close": max. 2 ms
 Switching time "Open": max. 0.07 ms
 Bounce duration: max. 0.5 ms
 Ambient temperature: - 25 °C ... + 75 °C
 Mechanical life: 1 billion operations
 Electrical life: 5 million operations, depending on load
 Resistance to shock: 15 g on sine wave oscillation
 Resistance to vibration: 15 g on sine wave oscillation

Contact variants

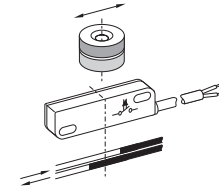
1 NC contact BN 80-01z with N-S actuating magnet



1 NO contact BN 80-10z with N-S actuating magnet



1 bistable contact BN 80-rz with S actuating magnet



Approvals

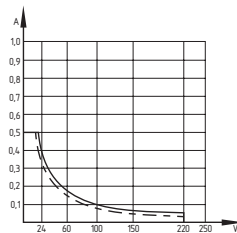


Ordering details

BN 80-①z

No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	r	1 bistable contact

Note



Switching capacity:

Note

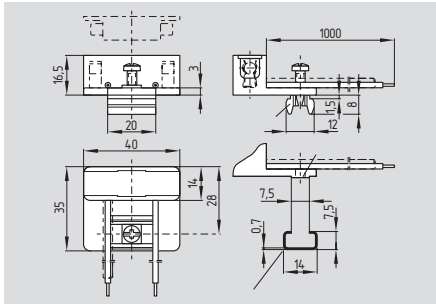
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Magnetic reed switches

BN 85



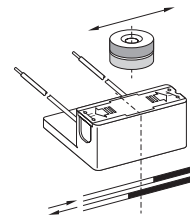
- Thermoplastic enclosure
- Long life
- Non-contacting principle
- Mounting with clamping feet and screw clamp
- Reed-contact to clip-in, on-location assembly
- Adjustment by loosening the central mounting screw
- Actuating distance up to 40 mm depending on actuating magnet and version
- Two individual wires LiYY 0.75 mm²
- Protection class IP 40

Technical data

Standards:	IEC/EN 60947-5-1
Design:	rectangular
Enclosure:	glass-fibre reinforced thermoplastic
Protection class:	IP 40 to EN 60529
Termination:	2 individual wires LiY 0.75 mm ² , length 1 m
Mode of operation:	magnetic
Switching voltage:	max. 60 VAC/DC
Switching current:	max. 1 A
Switching capacity:	max. 30 VA/W
Dielectric strength:	400 VDC
Switching time "Close":	max. 2 ms
Switching time "Open":	max. 0.07 ms
Bounce duration:	max. 0.2 ms
Ambient temperature:	0 °C ... + 75 °C
Mechanical life:	1 billion operations
Electrical life:	500 million operations, depending on load
Resistance to shock:	60 g on sine wave oscillation
Resistance to vibration:	60 g on sine wave oscillation

Contact variants

1 bistable contact BN 85-rz with S actuating magnet



Approvals

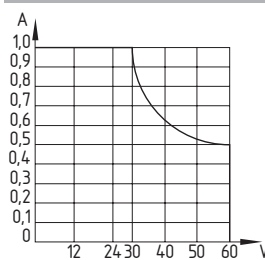


Ordering details

BN 85-①-②

No.	Replace	Description
①	r	1 bistable contact
②		Mounting with clamping brackets + 2 single wires
	1831-1	Mounting on C DIN rail and 2 single wires without screws
	1831-2	like above with screws
	1824-1	Mounting on C DIN rail and sheathed cable without screws
	1824-2	like above with screws
	1824-3	Mounting with clamping brackets and sheathed cable

Note



Switching capacity:

Note

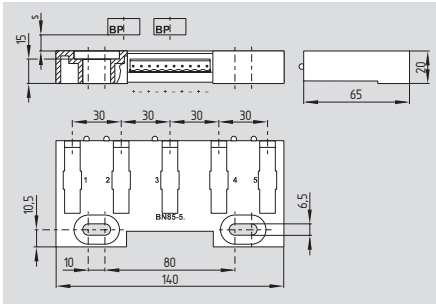
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Magnetic reed switches

BN 85-5



- Thermoplastic enclosure
- Long life
- Non-contacting principle
- For triggering of relays
- 5 reed-contacts to clip-on
- Reciprocal switch function through rotating the individual switching elements by 180°
- LEDs to indicate the switching condition
- Unused plugs can be filled with blank elements
- With 10-pole plug-in connection
- Protection class IP 30

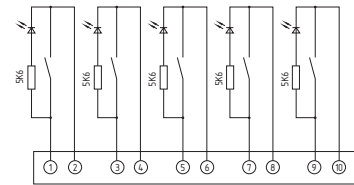
Technical data

Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 30 to EN 60529
 Termination: connector, 10-pole
 Mode of operation: magnetic
 Switching conditions indicator: LED
 Actuating magnet: BP 7
 Switching voltage: 12 ... 60 VDC
 Switching current: max. 1 A
 Switching capacity: max. 30 W
 Dielectric strength: 400 VDC
 Switching time "Close": max. 2 ms
 Switching time "Open": max. 0.07 ms
 Ambient temperature: -10 °C ... +75 °C
 Mechanical life: 1 billion operations
 Electrical life: 500 million operations, depending on load
 Resistance to shock: 60 g on sine wave oscillation
 Resistance to vibration: 60 g on sine wave oscillation

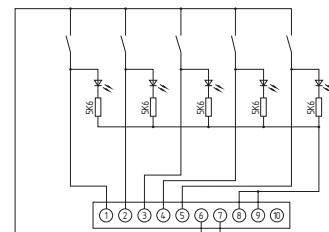
Actuating distances:
With mounting on ferromagnetic material:
 average max. actuating distance s : 14 mm
 max. actuating distance under unfavourable conditions s_{max} : 11 mm
 min. actuating distance s_{min} : 1 mm
 effective actuating distance s_{nenn} : 6 mm
With mounting on non-ferrous material (e.g. plastic rail):
 actuating distance s : 0 ... 9 mm
 effective actuating distance s_{nenn} : 5 mm

Contact variants

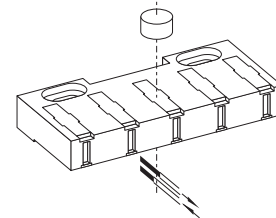
BN 85-5



BN 85-5-2031



1 bistable contact



Approvals



Ordering details

BN 85-5-①

No.	Replace	Description
①	2031	1 bistable contact activation of relays 1 bistable contact for connection to control units Suitable switch insert BN 85-re must be ordered separately !

Note

Included in delivery:

- 2 blank inserts
- Unit without switch inserts

The LED is illuminated when the switch is open.
 The LED is illuminated when the switch is closed. (ordering suffix -2031)

Note

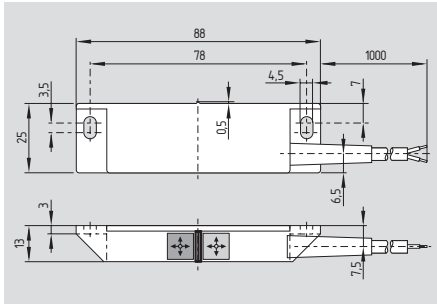
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-84.

Magnetic reed switches

BN 310



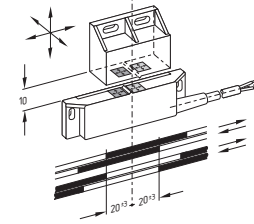
- Thermoplastic enclosure
- Flat design
- Long life
- Non-contacting principle
- 1 Reed contact
- Actuating distance up to 60 mm depending on actuating magnet and version
- Actuating surface and direction of actuation marked by switch symbol
- Pre-wired cable available, cable length 1 m
- Protection class IP 67

Technical data

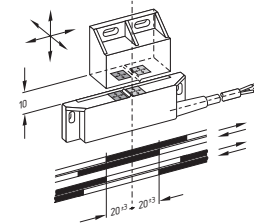
Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 67 to EN 60529
 Termination: cable H03VV-F 2 x 0.75 mm², length 1 m magnetic
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 Switching current: max. 3 A
 Switching capacity: max. 120 VA/W
 Dielectric strength: > 600 VAC (50 Hz)
 Switching speed: max. 18 m/s
 Switching frequency: max. 300/s for BN 310-01z, -10z
 Switching time "Close": 0.3 ms - 1.5 ms
 Switching time "Open": max. 0.5 ms
 Bounce duration: 0.3 ... 0.6 ms
 Ambient temperature: -25 °C ... +75 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load
 Resistance to shock: 30 g / 11 ms
 Resistance to vibration: 30 g / 11 ms
 Resistance to vibration: 10 ... 55 Hz, amplitude 1 mm
 Switching point accuracy: ± 0.25 mm, T = constant

Contact variants

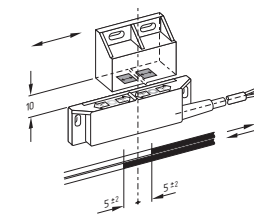
1 NC contact BN 310-01z with N-S actuating magnet



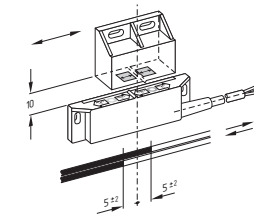
1 NO contact BN 310-10z with N-S actuating magnet



1 bistable contact BN 310-rz with N actuating magnet



1 bistable contact BN 310-rz with S actuating magnet



Approvals

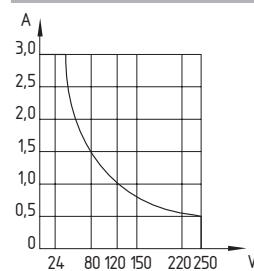


Ordering details

BN 310-①z

No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	r	1 bistable contact

Note



Switching capacity:

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Note

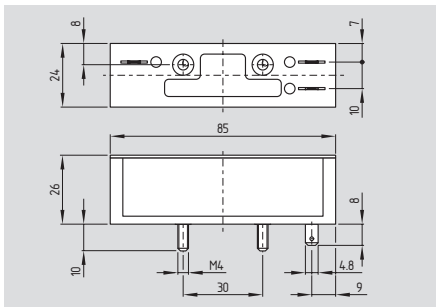
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N). This does not apply to the bistable contact.

The switch is to be mounted on iron with a non-magnetic layer of at least 20 mm.

Magnetic reed switches

BN 32



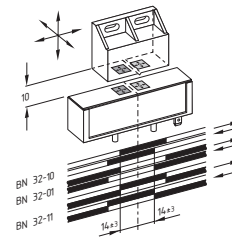
- Thermoplastic enclosure
- Long life
- Non-contacting principle
- 1 Reed contact
- Actuating distance up to 55 mm depending on actuating magnet and version
- Actuating surface and direction of actuation marked by switch symbol
- Mounting with two threaded bolts
- Spade connector 4.8 mm
- Protection class IP 67

Technical data

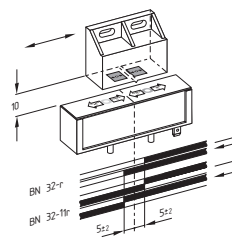
Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 00 ... IP 67 to EN 60529
 Termination: spade connector 4.8 mm
 spade connector 6.3 mm (ordering suffix -1389)
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 BN 32-11, -11r: max. 220 VAC, 150 VDC
 Switching current: max. 3 A
 BN 32-11, -11r: max. 1 A
 Switching capacity: max. 120 VA/W
 BN 32-11, -11r: max. 60 VA/W
 Dielectric strength: > 600 VAC (50 Hz)
 BN 32-11, -11r: > 350 VAC (50 Hz)
 Switching speed: max. 18 m/s
 Switching frequency: max. 300/s
 BN 32-11, -11r: max. 200/s
 Switching time "Close": 0.3 ms - 1.5 ms
 Switching time "Open": max. 0.5 ms
 Bounce duration: 0.3 ... 0.6 ms
 Ambient temperature: -25 °C ... +90 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load
 Resistance to shock: -
 Resistance to vibration: 15 g on sine wave oscillation
 Resistance to vibration: -
 Switching point accuracy: ± 0.25 mm, T = constant

Contact variants

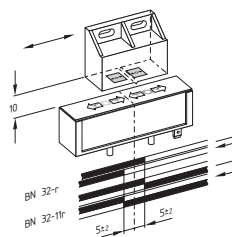
- 1 NO contact BN 32-10
- 1 NC contact BN 32-01
- 1 change-over contact BN 32-11 with N-S actuating magnet



- 1 bistable contact BN 32-r
- 1 bistable change-over contact BN 32-11r with N actuating magnet



- 1 bistable contact BN 32-r
- 1 bistable change-over contact BN 32-11r with S actuating magnet



Approvals

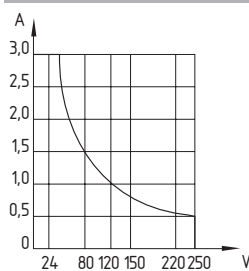


Ordering details

BN 32-①

No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	11	1 change-over contact
	r	1 bistable contact
	11r	1 bistable change-over contact

Note

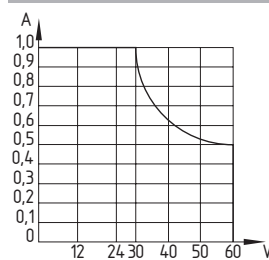


Switching capacity:
 NC, NO, bistable contact

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Note

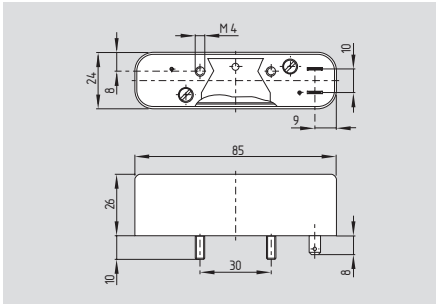


Switching capacity:
 change-over, bistable change-over contact

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

Magnetic reed switches

BN 325



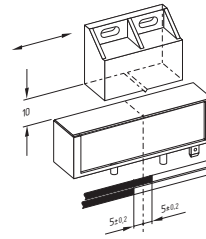
- Thermoplastic enclosure
- Long life
- Non-contacting principle
- 1 Reed contact
- Actuating surface and direction of actuation marked by switch symbol
- Mounting with two threaded bolts
- Spade connector 4.8 mm
- Protection class IP 40

Technical data

Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 00
 IP 40 with insulated plug
 IP 67 with cable output and additional shielding plate (ordering suffix -1279 and -1297-2) to EN 60529
 Termination: spade connector 4.8 mm (ordering suffix -1239)
 spade connector 6.3 mm (ordering suffix -1389)
 cable output (ordering suffix -1279 and -1279-2)
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 Switching current: max. 3 A
 Switching capacity: max. 120 VA
 Dielectric strength: > 600 VAC (50 Hz)
 Switching speed: max. 18 m/s
 Switching frequency: max. 300/s
 Switching time "Close": max. 1.5 ms
 Switching time "Open": max. 0.5 ms
 Bounce duration: 0.3 ... 0.6 ms
 Ambient temperature: -25 °C ... +75 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load
 Resistance to shock: 50 g / 11 ms
 Resistance to vibration: 30 g on sine wave oscillation
 Resistance to vibration: 10 ... 55 Hz, amplitude 1 mm
 Switching point accuracy: ± 0.25 mm, T = constant

Contact variants

1 bistable contact BN 325-r with N actuating magnet



Approvals

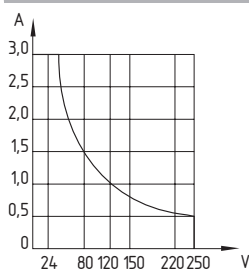


Ordering details

BN 325-r-①

No.	Replace	Description
①		Spade terminal 4.8 mm and 1 shielding plate
	1239	Spade terminal 4.8 mm and 2 shielding plates
	1389	Spade terminal 6.3 mm and 2 shielding plates
	1279	Cable output left and 2 shielding plates
	1279-2	Cable output right and 2 shielding plates

Note



Switching capacity:

Note

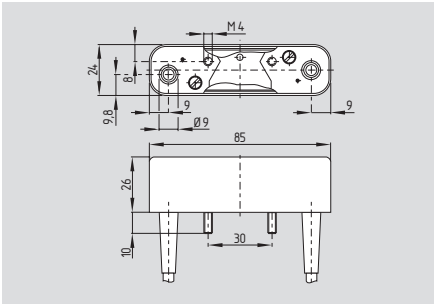
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Magnetic reed switches

BN 325 special versions



- additional shielding plate and cable output left or right (ordering suffix -1279 and -1279-2)

Approvals

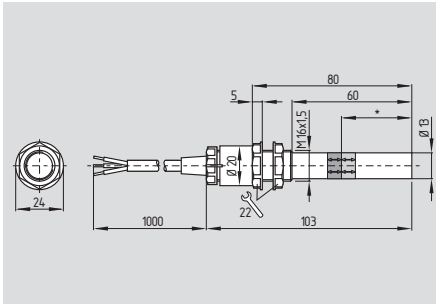


Ordering details

see left

Magnetic reed switches

BN 65



- **Actuation from side**
- Thermoplastic enclosure
- Central mounting
- Long life
- Non-contacting principle
- Actuating surface and direction of actuation marked by switch symbol
- Pre-wired cable available, cable length 1 m
- Protection class IP 67

When the switches and actuators come together, the colours must coincide:
Red (S) to red (S) and green (N) to green (N).

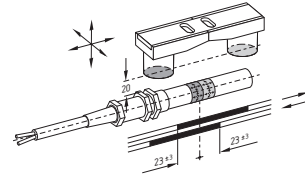
This does not apply to the bistable contact.

Technical data

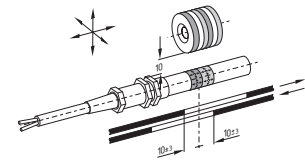
Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: glass-fibre reinforced thermoplastic
 tightening force on nut 22 mm A/F max. 300 Ncm
 Protection class: IP 67 to EN 60529
 Termination: cable H03VV-F 2 x 0.75 mm², length 1 m
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 Switching current: max. 3 A
 Switching capacity: max. 120 VA/W
 Dielectric strength: > 600 VAC (50 Hz)
 Switching speed: max. 18 m/s
 Switching frequency: max. 300/s
 Switching time "Close": 0.3 ms - 1.5 ms
 Switching time "Open": max. 0.5 ms
 Bounce duration: 0.3 ... 0.6 ms max. 3 ms
 Ambient temperature: - 25 °C ... + 75 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load
 Resistance to shock: 30 g on sine wave oscillation
 Resistance to vibration: 30 g on sine wave oscillation
 Resistance to vibration: 10 ... 55 Hz, amplitude 1 mm
 Switching point accuracy: ± 0.25 mm, T = constant

Contact variants

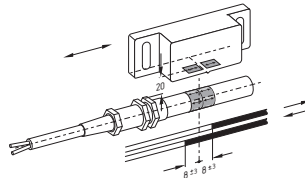
1 NO contact BN 65-10z with N-S actuating magnet



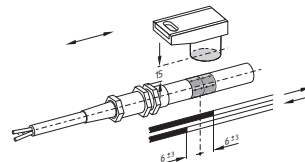
1 NC contact BN 65-01z with N-S actuating magnet



1 bistable contact BN 65-rz with N actuating magnet



1 bistable contact BN 65-rz with S actuating magnet



Approvals

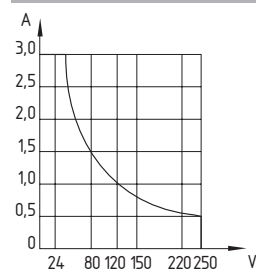


Ordering details

BN 65-①z②

No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	r	1 bistable contact
②	/1	With bias magnet
		Without bias magnet

Note



Switching capacity:

Note

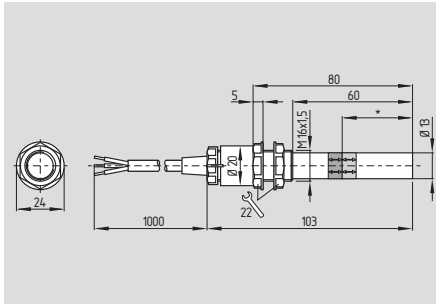
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Magnetic reed switches

BN 65/V



- **Actuation from front**
- Thermoplastic enclosure
- Central mounting
- Long life
- Non-contacting principle
- Actuating surface and direction of actuation marked by switch symbol
- Pre-wired cable available, cable length 1 m
- Protection class IP 67

When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N).

This does not apply to the bistable contact.

Approvals



Ordering details

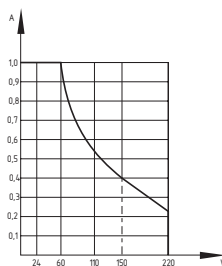
BN 65-①z/②V

No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	11	1 change-over contact
	r	1 bistable contact
	11r	1 bistable change-over contact
②		With bias magnet
	/1	Without bias magnet

Technical data

Standards:	IEC/EN 60947-5-1
Design:	rectangular
Enclosure:	glass-fibre reinforced thermoplastic
	tightening force on nut 22 mm A/F max. 300 Ncm
Protection class:	IP 67 to EN 60529
Termination:	cable
	H03VV-F 2 x 0.75 mm ² , A03VV-F 3 x 0.75 mm ² , length 1 m
Mode of operation:	magnetic
Switching voltage:	max. 250 VAC BN 65-rz/V, -11rz/V: max. 230 VAC/DC
Switching current:	max. 3 A BN 65-rz/V, -11rz/V: max. 1 A
Switching capacity:	max. 120 VA/W BN 65-rz/V, -11rz/V: max. 60 W
Dielectric strength:	> 600 VAC (50 Hz) BN 65-rz/V, -11rz/V: > 350 VAC (50 Hz)
Switching speed:	max. 18 m/s
Switching frequency:	max. 300/s BN 65-rz/V, -11rz/V: max. 200/s
Switching time "Close":	0.3 ms - 1.5 ms
Switching time "Open":	max. 0.5 ms
Bounce duration:	0.3 ... 0.6 ms max. 3 ms
Ambient temperature:	- 25 °C ... + 75 °C
Mechanical life:	1 billion operations
Electrical life:	1 million - 1 billion operations, depending on load
Resistance to shock:	30 g on sine wave oscillation BN 65-rz/V, -11rz/V: 15 g on sine wave oscillation
Resistance to vibration:	30 g on sine wave oscillation BN 65-rz/V, -11rz/V: 15 g on sine wave oscillation
Resistance to vibration:	10 ... 55 Hz, amplitude 1 mm
Switching point accuracy:	± 0.25 mm, T = constant

Note



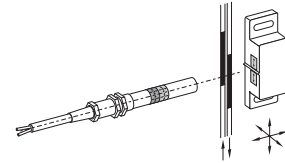
Switching capacity: change-over, bistable change-over contact

The actuating magnets are not included in delivery.

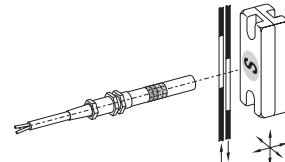
To choose the appropriate actuating magnets, please use the tables on page 2-70.

Contact variants

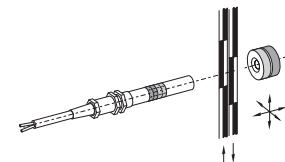
1 NO contact BN 65-10z/V with S actuating magnet



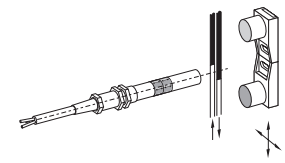
1 NC contact BN 65-01z/V with S actuating magnet



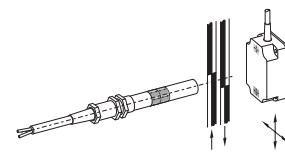
1 change-over contact BN 65-11z/V with S actuating magnet



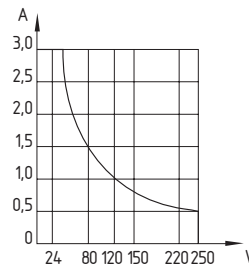
1 bistable contact BN 65-rz/V with N-S actuating magnet



1 bistable change-over contact BN 65-11rz/V with N-S actuating magnet



Note

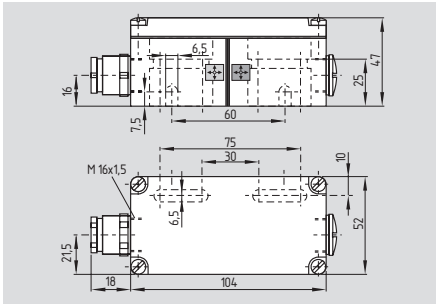


Switching capacity: NC, NO, bistable contact

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

Magnetic reed switches

BN 20



- Aluminium enclosure
- Long life
- Non-contacting principle
- 1 Reed contact
- Particularly resistant to vibration
- Available for actuation from front or side
- Actuating distance up to 50 mm depending on actuating magnet and version
- Screw terminal
- Protection class IP 67

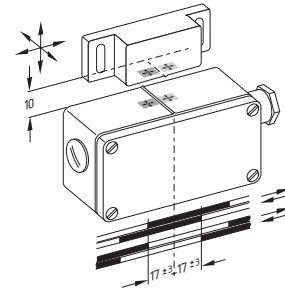
When the switches and actuators come together, the colours must coincide:
Red (S) to red (S) and green (N) to green (N).

Technical data

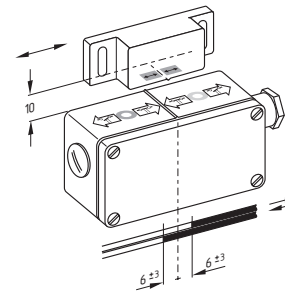
Standards: IEC/EN 60947-5-1
 Design: rectangular
 Enclosure: Al Si12 die-casting, chromated and painted
 Protection class: IP 67 to EN 60529
 Termination: screw terminals
 Mode of operation: magnetic
 Switching voltage: max. 250 VAC
 Switching current: max. 3 A
 Switching capacity: max. 120 VA/W
 Dielectric strength: > 600 VAC (50 Hz)
 Switching speed: max. 18 m/s
 Switching frequency: max. 300/s
 Switching time "Close": 0.3 ms - 1.5 ms
 Switching time "Open": max. 0.5 ms
 Bounce duration: 0.3 ... 0.6 ms
 Ambient temperature: -25 °C ... +90 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load
 Resistance to vibration: 50 g on sine wave oscillation
 Switching point accuracy: ± 0.25 mm, T = constant

Contact variants

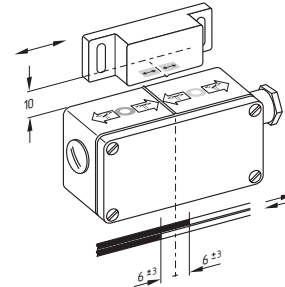
1 NO contact BN 20-10z
1 NC contact BN 20-01z
with N-S actuating magnet



1 bistable contact BN 20-rz
with N actuating magnet



1 bistable contact BN 20-rz
with S actuating magnet



Approvals

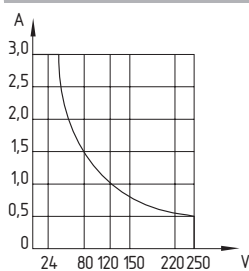


Ordering details

BN 20-①z

No.	Replace	Description
①	01	1 NC contact
	02	2 NC contacts
	10	1 NO contact
	20	2 NO contacts
	11	1 change-over contact
	r	1 bistable contact
	2r	2 bistable contacts
	11r	1 bistable change-over contact

Note



Switching capacity:

Note

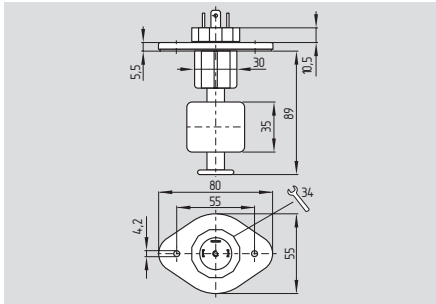
The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

The actuating magnets are not included in delivery.

To choose the appropriate actuating magnets, please use the tables on page 2-70.

Magnetic reed switches

BN 75



- Float switch
- Thermoplastic enclosure
- Long life
- Non-contacting principle
- 1 Reed contact
- Available with plug-in connector or pre-wired cable
- Protection class IP 68

Depending on how the floater is assembled, either a NO contact or a NC contact is possible.

The switching function is reversed accordingly, if the floater in a change-over contact element is turned upside-down.

The operating points listed, apply for water.

Technical data

Standards: IEC/EN 60947-5-1
 Enclosure: glass-fibre reinforced thermoplastic
 Protection class: IP 68
 plug connection IP 65
 IP 67 cable connection (ordering suffix -1391) to EN 60529

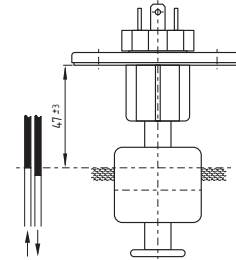
Termination:
 Mode of operation: magnetic
 Switching voltage: max. 220 VAC
 Switching current: max. 1 A
 Switching capacity: max. 60 VA/W
 Hysteresis: ca. 3 mm
 Dielectric strength: > 600 VAC (50 Hz)
 BN 75-11y: > 350 VAC (50 Hz)
 BN 75-11y: max. 0.2/0.5 ms
 - 25 °C ... + 80 °C

Bounce duration: 0.3 ... 0.6 ms
 BN 75-11y: max. 0.2/0.5 ms
 - 25 °C ... + 80 °C

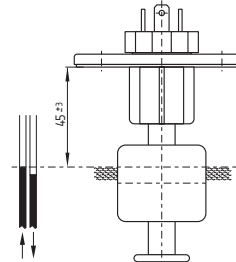
Ambient temperature: - 25 °C ... + 80 °C
 Mechanical life: 1 billion operations
 Electrical life: 1 million - 1 billion operations, depending on load

Contact variants

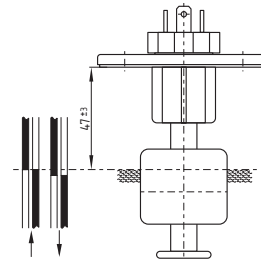
1 NO contact BN 75-10y



1 NC contact BN 75-01y



1 change-over contact BN 75-11y



Approvals

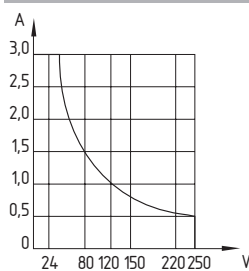


Ordering details

BN 75-①y-②

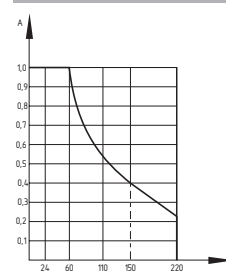
No.	Replace	Description
①	01	1 NC contact
	10	1 NO contact
	11	1 change-over contact
②		Plug-in connector to DIN 43650
	1391	Pre-wired cable

Note



Switching capacity: NC, NO, bistable contact

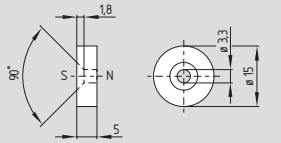
Note



Switching capacity: change-over, bistable change-over contact

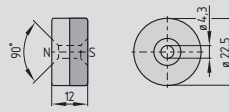
Magnetic reed switches

System components



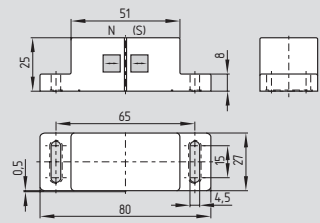
BP 6

System components

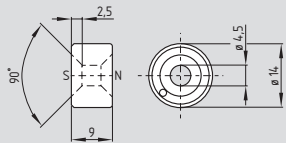


BP 15

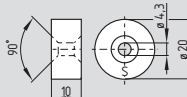
System components



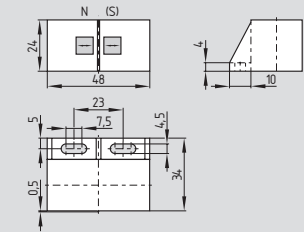
BP 20 N / BP 20 S



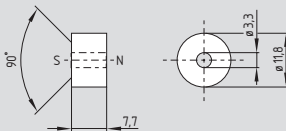
BP 7



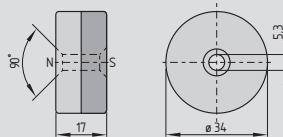
BP 15/2



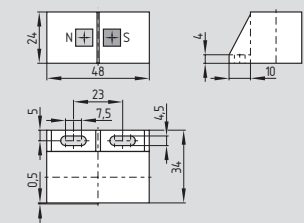
BP 31



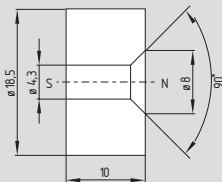
BP 8



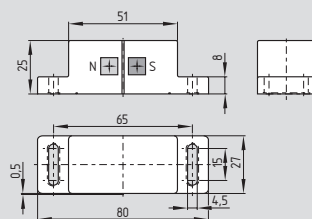
BP 34



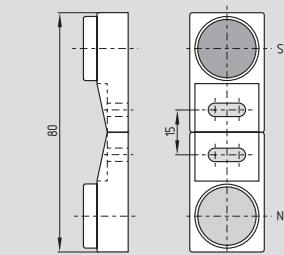
BP 31 N / BP 31 S



BP 10



BP 20



BP 11

Ordering details

Actuating magnet
Unenclosed, N-S
Unenclosed, N-S
Unenclosed, N-S
Unenclosed, N-S

BP 6
BP 7
BP 8
BP 10

Actuating magnet
thermoplastic enclosure, N-S
Unenclosed, N-S
thermoplastic enclosure, N-S
metal enclosure, N-S

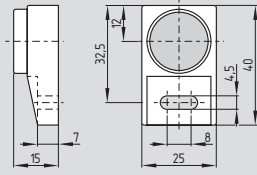
BP 15
BP 15/2
BP 34
BP 20

Actuating magnet
metal enclosure Al, N
metal enclosure Al, S
thermoplastic enclosure, N-S
thermoplastic enclosure, N
thermoplastic enclosure, S
metal enclosure Al, N-S

BP 20 N
BP 20 S
BP 31
BP 31 N
BP 31 S
BP 11

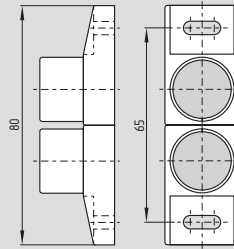
Magnetic reed switches

System components



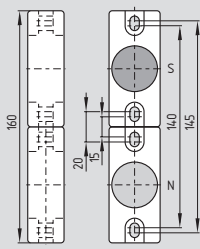
BP 11 N / BP 11 S

System components

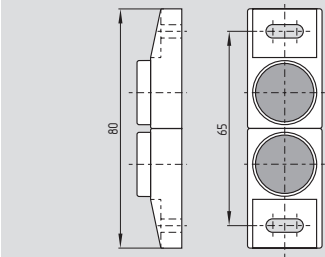


2x BP 12 N / 2x BP 12 S

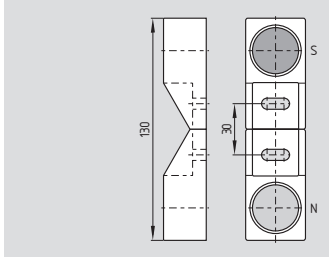
System components



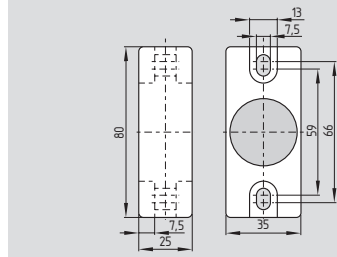
BP 22



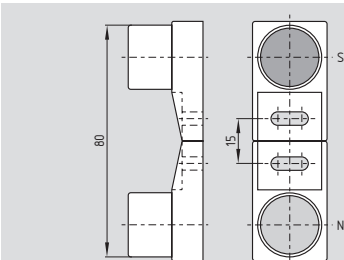
2x BP 11 N / 2x BP 11 S



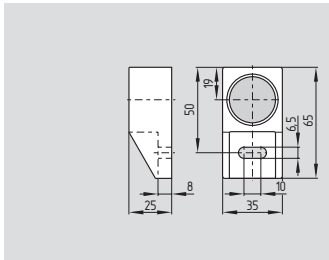
BP 21



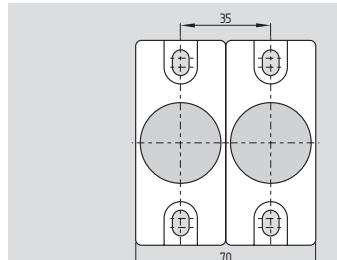
BP 22 N / BP 22 S



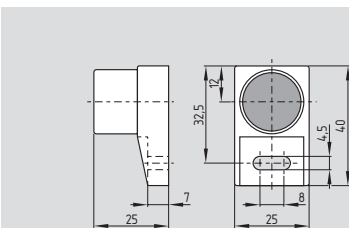
BP 12



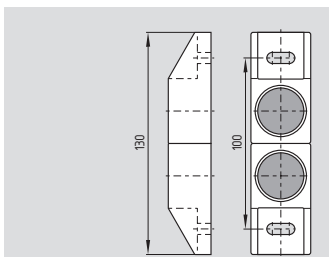
BP 21 N / BP 21 S



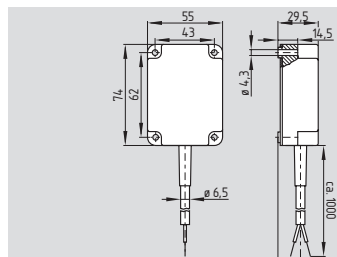
2x BP 22 N / 2x BP 22 S



BP 12 N / BP 12 S



2x BP 21 N / 2x BP 21 S



BE 20

Ordering details

Actuating magnet
 metal enclosure Al, N
 metal enclosure Al, S
 metal enclosure Al, 2x N
 metal enclosure Al, 2x S
 metal enclosure Al, N-S
 metal enclosure Al, N
 metal enclosure Al, S

BP 11 N
BP 11 S
2x BP 11 N
2x BP 11 S
BP 12
BP 12 N
BP 12 S

Ordering details

Actuating magnet
 metal enclosure Al, 2x N
 metal enclosure Al, 2x S
 metal enclosure Al, N-S
 metal enclosure Al, N
 metal enclosure Al, S
 metal enclosure Al, 2x N
 metal enclosure Al, 2x S

2x BP 12 N
2x BP 12 S
BP 21
BP 21 N
BP 21 S
2x BP 21 N
2x BP 21 S

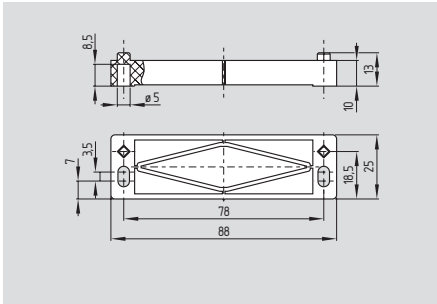
Ordering details

Actuating magnet
 metal enclosure Zn, N-S
 metal enclosure Zn, N
 metal enclosure Zn, S
 metal enclosure Zn, 2x N
 metal enclosure Zn, 2x S
 Electromagnet, thermo-
 plastic enclosure

BP 22
BP 22 N
BP 22 S
2x BP 22 N
2x BP 22 S
BE 20

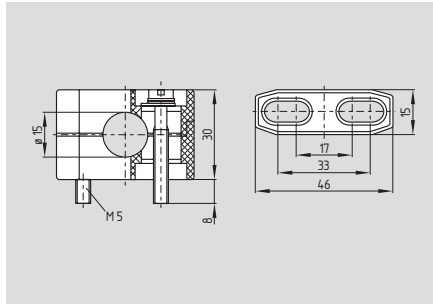
Magnetic reed switches

Spacer BN 31/33



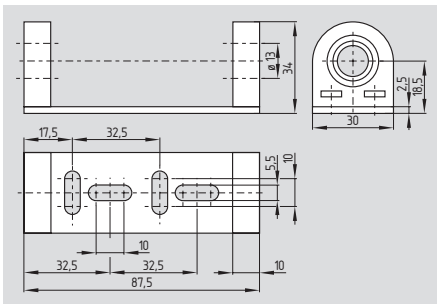
- To mount the magnetic safety sensor and actuator on ferromagnetic material

Terminal mounting H 15



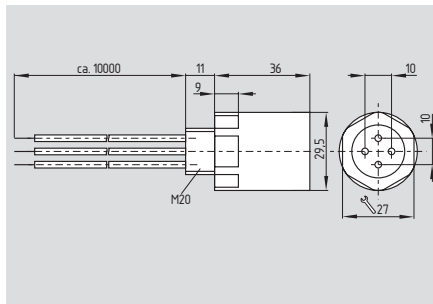
- For BN 65
- Material: thermoplastic

Holder H1/1



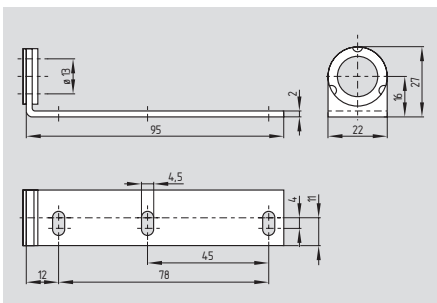
- For BN 65
- Metal holder with 2 elastic bearings
- Provides high resistance to vibration

Compensating coil KS 1



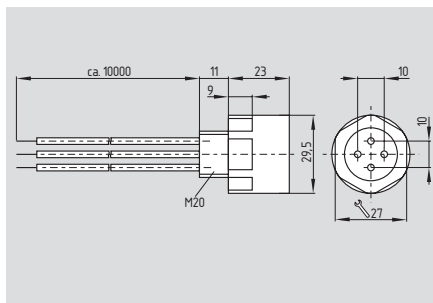
- Dimension X = 23 mm
- For cable lengths up to 100 m
- Cable H07V-K 1 mm², cable length 1 m
- The bucking coil is to be wired in series with the reed contact

Holder H2



- For BN 65
- Metal holder with rubber washer

Compensating coil KS 2



- Dimension X = 36 mm
- For cable lengths up to 200 m or 2 x 100 m
- Cable H07V-K 1 mm², cable length 1 m
- The bucking coil is to be wired in series with the reed contact