



BN 65-10Z/V

- With pre-wired cable
- Actuation from front
- with bias magnet
- Non-contact principle
- Long life
- Actuating surface and direction of actuation marked by switch symbol
- Construction form Ø 13 mm
- Thermoplastic enclosure
- Actuating distance up to 60 mm depending on actuating magnet and version
- with central mounting

Data

Ordering data

EAN (European Article Number) 4030661009797

eCl@ss number, Version 9.0 27-27-01-05

eCl@ss number, Version 11.0 27-27-01-05

ETIM number, version 6.0 EC002544

ETIM number, version 7.0 EC002544

Approval - Standards

Certificates cULus

General data

Active principle	Magnetic drive
Housing construction form	Cylinder smooth
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	70 g

General data - Features

Suitable for elevators	Yes
bias magnet	Yes
Number of shutters	1

Mechanical data

Actuating panels	front side
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
Repeat accuracy R R	0.3 mm
Actuating speed, maximum	18 m/s
Mounting	central with threaded flange
Tightening torque of nuts, maximum	3 Nm

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

Switch distance S_n	5 mm ... 55 mm BP 10S = 5 mm 2 x BP 10S = 10 mm BP 15S = 6 mm BP 34S = 20 mm BP 20S = 15 mm BP 31S = 15 mm BP 11S = 5 mm 2 x BP 11S = 15 mm BP 12S = 10 mm 2 x BP 12S = 25 mm BP 21S = 30 mm 2 x BP 21S = 20 ... 55 mm BP 22S = 25 mm 2 x BP 22S = 15 ... 55 mm BE 20 S = 6 mm
Notice (Switch distance S_n)	Actuating distance up to 55 mm depending on actuating magnet and version. The specified switching distances are applicable for the actuation of individually mounted components without ferromagnetic influence. A change of the distance, either positive or negative, is possible due to ferromagnetic influences. The mutual interference between multiple actuating magnets must be observed.

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.75 mm ²
Wire cross-section	18 AWG
Material of the Cable mantle	H03VV-F

Mechanical data - Dimensions

Diameter of sensor	13 mm
width across flats	22 BK
Length of sensor	103 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
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Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+75 °C
Resistance to vibrations to EN 60068-2-6	10 ... 55 Hz, amplitude 1 mm
Restistance to shock	30 g, on sine wave oscillation
Resistant to vibration	30 g, on sine wave oscillation

Electrical data

Switching voltage, maximum	250 VAC
Switching current, maximum	3 A
Switching capacity, maximum	120 W
Switching capacity, maximum	120 VA
Switching element	Normally open contact (NO)
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency, maximum	300 Hz
Switching frequency	1,080,000 /h

Electrical data - Digital Output

Versions	Reed contacts
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

Recommendation (actuator)	BP 10 S
	2x BP 10 S
	BP 15 S
	BP 34 S
	BP 20 S
	BP 31 S
	BP 11 S
	2x BP 11 S
	BP 12 S
	2x BP 12S
	BP 21 S
	2x BP 21 S
	BP 22 S
	2x BP 22 S
	BE 20 S
Recommendation (actuator, lift switchgear)	BP 10
	2 x BP 10
	BP 15
	BP 34

Notes

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