

## Product No: 101115682

### SCHMERSAL BNS303-11Z SAFETY SENSOR 101115682

#### FEATURES

- Safety sensor with thermoplastic enclosure
- Incorporates coding technology
- Features 2 openers and 1 shutter
- Equipped with 2 safety contacts
- Includes 4 cable wires for connectivity
- Utilizes a magnet as the actuating element
- Comes with a terminal connector cable, 1 m in length
- Designed with an M30 ISO thread for the sensor
- Capable of switching voltage up to 100 V AC/DC



*Note: In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	High
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-13
eCl@ss Number, Version 9.0	27-37-12-13
ETIM 6.0	EC000222
ETIM 7.0	EC000223
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	3
Recommended Actuator	AZM400-B1
Recommended Safety Switchgear	SRB-E-301ST   SRB-E-201LC
Series	BNS303
Working Principle	Magnetic drive

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Maximum Actuating Speed (m/s)	2
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Fuse Rating	16 A gG D-fuse
Maximum Switching Capacity (VA)	10
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm <sup>2</sup> )	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	10
No. of Safety Contacts	1
Nominal Output Current (A)	0.4
Nominal Power (W)	10
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Cable
Thermal Test Current (A)	0.25
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.25 A

### Physical Attributes

Actuator Type	Magnet
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Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	140
Installation Conditions	Arbitrarily
Maximum Ambient Temperature (°C)	85
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25
Mounting Type	Mounting flange
Net Weight (g)	2500
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.34 mm

#### Dimensions

Cable Length (m)	2
Height (mm)	26
Sensor Height (mm)	611
Sensor Length (mm)	49
Width (mm)	67.5

#### Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1

#### Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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