

## Product No: 101138262

### SCHMERSAL BNS303-IIZG SAFETY SENSOR 101138262

#### FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding and integral system diagnostics
- Equipped with 2 openers and 1 shutter
- Includes 2 safety contacts
- Comes with 4 cable wires
- Actuating element is a magnet
- Terminal connector type is cable with a length of 1 meter
- M30 ISO thread for the sensor
- Switching voltage rated at 24 VDC



*Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-12
eCl@ss Number, Version 9.0	27-27-26-92
ETIM 6.0	EC000641
ETIM 7.0	EC001487
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	3
Series	BNS303
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	4
Contact Material	Silver

Maximum Cable Cross Section (mm <sup>2</sup> )	1.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	492
Minimum Cable Cross Section (mm <sup>2</sup> )	0.5
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	3
Nominal Output Current (A)	0.01
Nominal Power (W)	0.2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Maximum Operational Voltage DC (V)	24
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Connector
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.05 A

### Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Plastic
Gross Weight (g)	40
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25
Mounting Type	2 x M5, Cylinder head screw
Net Weight (g)	1197.08

Storage Temperature (°C)	25 to 85
Wire Cross-Section	0.5 mm

### Dimensions

Height (mm)	100
Sensor Height (mm)	105
Sensor Length (mm)	27
Width (mm)	40

### Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN ISO 13849-1 / BG-GS-ET-15

### Resources

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