

Product No: 101123708

SCHMERSAL BNS303-11Z-5M SAFETY SENSOR 101123708

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding technology
- Equipped with 2 openers and 1 shutter
- Contains 4 cable wires for connectivity
- Utilizes a magnet as the actuating element
- Comes with a 5-meter cable terminal connector
- M30 ISO thread for easy sensor integration
- Operates at a switching voltage of 100 V AC/DC
- Supports a switching current of 0.4 A



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	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-27-06-01
ETIM 6.0	EC000030
ETIM 7.0	EC000030
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	3
Recommended Safety Switchgear	PROTECT PSC1 SRB-E-301ST SRB-E-201LC
Series	BNS303
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver

Maximum Actuating Speed (m/s)	0.5
Maximum Cable Cross Section (mm ²)	1.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	1440
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	20
No. of Safety Contacts	1
Nominal Output Current (A)	0.4
Nominal Power (W)	10
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	110 / 4 - 30 / 18
Switching Element	1 NO contact, 1 NC contacts
Switching Principle	Slow action
Terminal Type	Connector
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Gross Weight (g)	20
Installation Conditions	Not flush
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	0

Minimum Temperature (°C)	-25
Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	19.58
Storage Temperature (°C)	25 to 85
Wire Cross-Section	0.75 mm

Dimensions

Height (mm)	69
Sensor Height (mm)	95.1
Sensor Length (mm)	38
Width (mm)	22.5

Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN ISO 13850

Resources

Product catalogue (Flipbook)	Download from here
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