

## Product No: 101123071

### SCHMERSAL BNS250-12Z SAFETY SENSOR 101123071

#### FEATURES

- Position switch with metal enclosure
- Actuating element: Roller lever
- Switching elements: 1 NO contact and 1 NC contact
- Thermal test current: 10 A
- Utilisation category AC-15: 240 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 1 A
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -30 °C to +80 °C



*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.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-27-24-03
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	BNS250
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	2
Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm <sup>2</sup> )	1 x 1, flexible

Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm <sup>2</sup> )	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	20
No. of Safety Contacts	1
Nominal Output Current (A)	0.1
Nominal Power (W)	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Maximum Operational Voltage DC (V)	24
Rated Operating Current (mA)	50
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
Utilisation Category DC-13	0.05 A

### Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Gross Weight (g)	20
Installation Conditions	Arbitrarily
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25

Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	75
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	0.25 mm

### Dimensions

Height (mm)	69
Sensor Height (mm)	133
Sensor Length (mm)	60.55
Width (mm)	33

### 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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