

Product No: 101120933

SCHMERSAL BNS180-11Z SAFETY SENSOR 101120933

FEATURES

- Safety sensor with thermoplastic enclosure
- Incorporates coding feature for enhanced security
- Requires an evaluation unit to operate
- Equipped with 2 safety contacts and 2 openers
- Features 1 actuating magnet
- Connection via terminal connector cable
- M18 ISO thread for easy installation
- Switching voltage rated at 100 V AC/DC
- Switching current capacity of 0.25 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	27-27-24-03
eCl@ss Number, Version 9.0	27-27-26-02
ETIM 6.0	EC002592
ETIM 7.0	EC000222
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	BNS180
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	3
Contact Material	Silver
Maximum Actuating Speed (m/s)	0.5

Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (VA)	7.2
Minimum Actuating Speed (mm/min)	600
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	40
No. of Safety Contacts	2
Nominal Output Current (A)	0.25
Nominal Power (W)	3
Overtoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Rated Operating Current (mA)	1200
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	110 / 4 - 30 / 18
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Connector 8 mm, 6-pole, Latching interlocking
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	200
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	55
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)	80
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	18 AWG

Dimensions

Height (mm)	69
Sensor Height (mm)	1491
Sensor Length (mm)	30
Width (mm)	22.5

Protection & Standards

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

Resources

Product catalogue (Flipbook)	Download from here
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