

Product No: 101128195

SCHMERSAL BNS33-12Z-2187 SAFETY SENSOR 101128195

FEATURES

- Safety sensor with thermoplastic enclosure
- Incorporates coding technology
- Features 1 opener and 1 shutter
- Equipped with 2 safety contacts
- Contains 4 cable wires
- Utilizes a magnet as the actuating element
- Comes with a 10-meter cable terminal connector
- M30 ISO thread for sensor mounting
- Switching voltage rated at 100 V AC/DC



Note: Instead of nuts, a mounting clamp can be provided.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-11
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC000223
ETIM 7.0	EC002714
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	3
Series	BNS33
Working Principle	Mechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm ²)	1.5

Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	17
No. of Safety Contacts	1
Nominal Output Current (A)	0.25
Nominal Power (W)	10
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	NC contact, NO contact
Switching Principle	Slow action
Terminal Type	Connector
Thermal Test Current (A)	2.5
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	2.5 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Metal, zinc die-cast
Gross Weight (g)	50
Installation Conditions	Not flush
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)	25
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

Dimensions

Height (mm)	120
Sensor Height (mm)	73.5
Sensor Length (mm)	24
Width (mm)	22.5

Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 61496-1 / EN IEC 61496-2

Resources

Product catalogue (Flipbook)	Download from here
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