

## Product No: 101128296

### SCHMERSAL BNS120-11Z SAFETY SENSOR 101128296

#### FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding and integral system diagnostics
- Requires an evaluation unit for operation
- Equipped with 2 openers and 1 shutter
- Includes 2 safety contacts
- Comes with a 6-wire cable connection
- Designed with a lateral active area
- Utilizes a magnet as the actuating element
- Fitted with a terminal connector and a 1-meter cable length



*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	27-37-12-43
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
Series	BNS120
Working Principle	Mechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver-plated Cu rivets
Maximum Actuating Speed (m/s)	1

Maximum Fuse Rating	6 A gG D-fuse
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)	8.5
No. of Safety Contacts	2
Nominal Output Current (A)	0.25
Nominal Power (W)	3
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
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, positive break NC contact
Terminal Type	Connector
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.25 A

### Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Light alloy die-casting
Gross Weight (g)	45
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)	50
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

### Dimensions

Height (mm)	100
Sensor Height (mm)	110.5
Sensor Length (mm)	24
Width (mm)	45

### Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 61496-1 / EN IEC 61496-2

### Resources

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