

## Product No: 101153903

### SCHMERSAL BNS33-12Z-2363-2M SAFETY SENSOR 101153903

#### FEATURES

- Safety-related tactile sensor
- Aluminum profile safety edges
- Dimensions: 1250 x 50 x 9 mm
- Material: Al-MG Si OF22 with aluminum leg
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -50 °C to +170 °C
- Complies with EN ISO 13850 standard



*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	High
EAN	4030660000000
eCl@ss Number, Version 11.0	27-44-01-02
eCl@ss Number, Version 9.0	27-06-03-11
ETIM 6.0	EC002549
ETIM 7.0	EC001029
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Series	BNS33
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5

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)	0.25
Nominal Power (W)	10
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage AC (V)	120
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.05 A

### Physical Attributes

Actuator Type	Roller plunger
Enclosure Material	Aluminium
Gross Weight (g)	32
Maximum Ambient Temperature (°C)	70
Minimum Ambient Temperature (°C)	-15
Net Weight (g)	35
Storage Temperature (°C)	25 to 85
Wire Cross-Section	1.5 mm

### Dimensions

Sensor Height (mm)	100
Sensor Length (mm)	33

### Protection & Standards

Degree of Protection

IP65

Standards

EN IEC 61496-1 / EN IEC 61496-2

## Resources

Product catalogue (Flipbook)

[Download from here](#)