

## Product No: 101123707

### SCHMERSAL BNS303-12Z-5M SAFETY SENSOR 101123707

#### FEATURES

- Inductive proximity switch with a switching distance of 8 mm
- DC 3-wire connection system
- Cylinder shape with an M18 ISO thread for mounting
- Equipped with an M12 connector
- Switching element configured as an opener (NC Normally Closed)
- Durable metal enclosure material
- Operating voltage range of 10 to 30 VDC
- Rated operational current of 200 mA
- High switching frequency of 400 Hz



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	27-37-12-26
eCl@ss Number, Version 9.0	27-27-26-06
ETIM 6.0	EC001487
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	BNS303
Working Principle	Magnetic drive

## Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Maximum Actuating Speed (m/s)	0.5
Maximum Cable Cross Section (mm <sup>2</sup> )	1.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	120
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)	0.4
Nominal Power (W)	10
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
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, positive break NC contact
Terminal Type	Connector
Utilisation Category	DC-13   AC-15

## Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Gross Weight (g)	25
Installation Conditions	Not flush
Maximum Ambient Temperature (°C)	80

## Physical Attributes

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)	285
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.75 mm

## Dimensions

Height (mm)	69
Sensor Height (mm)	103.5
Sensor Length (mm)	30
Width (mm)	105

## 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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