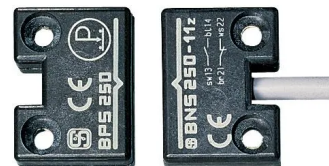


Product No: 101120670

SCHMERSAL BNS250-11Z SAFETY SENSOR 101120670

FEATURES

- Safety sensor with magnet
- Thermoplastic enclosure
- Actuator length: 33 mm
- Actuator width: 25 mm
- Part of the BPS250 series



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	27-27-34-91
eCl@ss Number, Version 9.0	27-27-26-03
ETIM 6.0	EC002593
ETIM 7.0	EC000222
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	2
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	BNS250
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	4
Contact Material	Silver
Maximum Actuating Speed (m/s)	0.5
Maximum Cable Cross Section (mm ²)	2.5

Maximum Switching Capacity (W)	10
Minimum Actuating Speed (mm/min)	10
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)	0.1
Nominal Power (W)	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Maximum Operational Voltage DC (V)	24
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, 1 NC contacts
Switching Principle	Snap action
Terminal Type	Screw terminals M 3
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	25
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	55
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	40

Storage Temperature (°C)	25 to 85
Wire Cross-Section	0.34 mm

Dimensions

Height (mm)	189
Sensor Height (mm)	1251
Sensor Length (mm)	46
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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