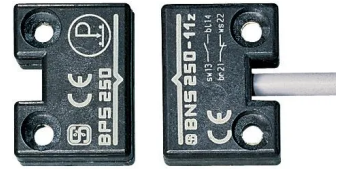


Product No: 101123072

SCHMERSAL BNS250-12ZG SAFETY SENSOR 101123072

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding and requires a prerequisite evaluation unit
- Equipped with 2 openers and 1 shutter
- Actuating element is a magnet
- Connection via terminal connector cable
- Front side active area for detection
- Switching voltage rated at 24 VDC
- Switching current of 0.1 A with a switching capacity of 1 W
- Part of the BNS250 series by Schmersal



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.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-27-24-03
ETIM 6.0	EC000030
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	BNS250
Working Principle	Magnetic drive
Technical Attributes	
No. of Auxiliary Contacts	2
Contact Material	Silver

Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	10
Minimum Actuating Speed (mm/min)	120
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	20
No. of Safety Contacts	1
Nominal Output Current (A)	0.01
Nominal Power (W)	0.2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Maximum Operational Voltage DC (V)	24
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Connector
Utilisation Category	DC-13 AC-15
Utilisation Category AC-15	2.5 A
Utilisation Category DC-13	0.05 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Gross Weight (g)	3
Installation Conditions	Arbitrarily
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)	140
Storage Temperature (°C)	25 to 85
Wire Cross-Section	0.34 mm

Dimensions

Height (mm)	69
Sensor Height (mm)	133
Sensor Length (mm)	30
Width (mm)	22.5

Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

Resources

Product catalogue (Flipbook)	Download from here
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