

Product No: 101133842

SCHMERSAL BN310-10Z MAGNETIC REED SWITCH 101133842

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding for system integration
- Requires an evaluation unit to operate
- Equipped with 2 safety contacts
- Actuating element is a magnet
- Connection via terminal connector cable
- M18 ISO thread for easy mounting
- Switching voltage rated at 100 V AC/DC
- Switching current capacity of 0.25 A



Note: Instead of nuts, a mounting clamp can be provided.

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	27-27-26-06
eCl@ss Number, Version 9.0	27-27-26-06
ETIM 6.0	EC001487
ETIM 7.0	EC000222
Housing Construction Form	Norm construction design
Product Type	Magnetic Reed Switch
Protection Class of Operating Resource	3
Series	BN310
Working Principle	Mechanical

Technical Attributes

No. of Auxiliary Contacts	2
Contact Material	Silver
Maximum Actuating Speed (m/s)	1

Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage AC (V)	250
Maximum Nominal Output Voltage DC (V)	250
Minimum Actuating Speed (mm/min)	120
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	2
Nominal Output Current (A)	3
Nominal Power (W)	120
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	NC contact, NO contact
Switching Principle	Slow action
Terminal Type	Connector
Thermal Test Current (A)	16
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.05 A

Physical Attributes	
Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Plastic, glass-fibre-reinforced
Gross Weight (g)	25
Installation Conditions	Not flush
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	75
Minimum Ambient Temperature (°C)	0
Minimum Temperature (°C)	-25

Mounting Type	Threaded
Net Weight (g)	25
Storage Temperature (°C)	25 to 85
Wire Cross-Section	13 AWG

Dimensions

Height (mm)	11.3
Sensor Height (mm)	112
Sensor Length (mm)	118
Width (mm)	22.5

Protection & Standards

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

Resources

Product catalogue (Flipbook)	Download from here
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