

Product No: 101133843

SCHMERSAL BN310-RZ MAGNETIC REED SWITCH 101133843

FEATURES

- Magnetic reed switch with flat design
- Made from thermoplastic material in a rectangular enclosure
- Features a terminal connector cable for easy connection
- Designed for side actuation
- Contains a normally open (NO) contact switching element
- Suitable for use in elevator applications
- Operating distance range between 5 mm and 50 mm
- Maximum switching voltage of 250 VAC or DC
- Maximum switching current of 3 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	EC000030
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
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Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm ²)	1.5
Maximum Fuse Rating	2 A gG D-fuse
Maximum Nominal Output Voltage AC (V)	250
Maximum Nominal Output Voltage DC (V)	250
Minimum Actuating Speed (mm/min)	20
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	3
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	1 NO contact, 1 NC contacts
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)	170
Installation Conditions	Not flush
Maximum Ambient Temperature (°C)	50
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	23 AWG

Dimensions

Height (mm)	11.3
Sensor Height (mm)	107
Sensor Length (mm)	31
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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