

Product No: 101172893

SCHMERSAL BN20-2RZ-M16 MAGNETIC REED SWITCH 101172893

FEATURES

- Magnetic reed switch with bias magnet
- Made from aluminum enclosure
- Rectangular shape with terminal connector screw connection
- Actuation possible from front or side
- Normally Open (NO) contact switching element
- Switching distance range: 12 mm to 45 mm
- Maximum switching voltage: 250 VAC
- Maximum switching current: 3 A
- Maximum switching capacity: 120 W at 300 Hz



Note: The axis of the hinge must be 5 mm above and in a parallel plane to the top surface of the safety switch. | minimum actuating radius on hinged guards in line with the plane of the actuator 150 mm | minimum actuating radius on rotating guard systems via the narrow edge of the actuator 180 mm | The actuator is not available separately.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-27-03
eCl@ss Number, Version 9.0	27-27-27-04
ETIM 6.0	EC001471
ETIM 7.0	EC002549
Housing Construction Form	Block
Product Type	Magnetic Reed Switch
Series	BN20
Working Principle	RFID

Technical Attributes

Contact Material	Silver
Maximum Actuating Speed (m/s)	3

Maximum Cable Cross Section (mm ²)	1.5
Maximum Fuse Rating	4 A gG D-fuse to DIN EN 60269-1
Maximum Nominal Output Voltage AC (V)	250
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	1000000 Operations
No. of Auxiliary Contacts	1
No. of Safety Contacts	1
Nominal Output Current (A)	3
Nominal Power (W)	120
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
Switching Principle	Snap action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Plunger S200
Enclosure Material	Glass-fibre reinforced thermoplastic, self-extinguishing
Gross Weight (g)	616
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	90
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	80

Dimensions

Sensor Height (mm)	114
Sensor Length (mm)	126

Protection & Standards

Degree of Protection	IP67
Standards	EN ISO 13849-1 / EN IEC 62061

Resources

Product catalogue (Flipbook)	Download from here
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