

Product No: 101168014

SCHMERSAL BN20-11Z-M16 MAGNETIC REED SWITCH 101168014

FEATURES

- Position switch with metal enclosure
- Actuating element: Offset roller lever
- Switching elements: 1 NO contact and 1 NC contact
- Thermal test current: 10 A
- Utilisation category AC-15: 240 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 1 A
- IP Rating: IP67 for dust and water resistance



Note: Inductive loads (e.g. contactors, relays, etc.) are to be suppressed by means of a suitable circuit.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-26-03
eCl@ss Number, Version 9.0	27-27-27-04
ETIM 6.0	EC002591
ETIM 7.0	EC002549
Housing Construction Form	Norm construction design
Product Type	Magnetic Reed Switch
Series	BN20
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	2
Contact Material	Silver
Maximum Actuating Speed (m/s)	2
Maximum Cable Cross Section (mm ²)	2 x 1.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage AC (V)	250

Minimum Mechanical Life	30000000 Operations
No. of Safety Contacts	1
Nominal Output Current (A)	3
Nominal Power (W)	120
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	0.5
Rated Insulation Voltage (V)	500
Rated Short-circuit Current (A)	1000
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Angle roller lever K240
Enclosure Material	Aluminium
Gross Weight (g)	100
Maximum Ambient Temperature (°C)	70
Maximum Temperature (°C)	90
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	62

Dimensions

Sensor Height (mm)	33.2
Sensor Length (mm)	33

Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-1 / EN ISO 13849-1 / BG-GS-ET-15

Resources

Product catalogue (Flipbook)

[Download from here](#)
