

Product No: 101082364

SCHMERSAL ENCLOSED MAGNETIC REEDSWITCH BN 80-01Z

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.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-26-01
eCl@ss Number, Version 9.0	27-27-26-01
ETIM 6.0	EC002544
ETIM 7.0	EC002714
Housing Construction Form	Norm construction design
Product Type	Magnetic Reed Switch
Protection Class of Operating Resource	3
Recommended Actuator	BPS 36-2
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Working Principle	Mechanical

Technical Attributes

No. of Auxiliary Contacts	1
Assured "OFF" Switching Distance (mm)	20
Assured "ON" Switching Distance (mm)	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3

Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	2 A gG D-fuse
Maximum Holding Force (N)	13000
Maximum Switching Capacity (W)	8
Minimum Actuating Force (N)	10
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	30000000 Operations
Minimum Positive Break Force (N)	40
No. of Actuating Directions	3
No. of Cable Wires	8
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	10
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	2 NC contact
Switching Principle	Slow action
Terminal Type	Cable outlet left and 2 shielding plates with LED
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, Polyamide PA 66 GV
Gross Weight (g)	1500
Installation Conditions	Quasi-flush

Material of The Cable Mantle	PUR
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Mounting Type	Rear-side mounting holes
Net Weight (g)	4.498
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

Dimensions

Cable Length (m)	1
Depth (mm)	252.5
Height (mm)	80
Sensor Height (mm)	136
Sensor Length (mm)	38
Width (mm)	10

Protection & Standards

Degree of Protection	IP54
Pollution Degree	2
Standards	EN IEC 60947-5-1

Resources

Product catalogue (Flipbook)	Download from here
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