

Product No: 101060165

SCHMERSAL MAGNETIC REED SWITCH UNENCLOSED 101060165

Note: If a higher resistance is required, choose safety edge profiles with 20 µm plastic coating. The coating must be submitted to low mechanical loads only.



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	27-27-06-09
eCl@ss Number, Version 9.0	27-27-06-09
ETIM 6.0	EC002714
ETIM 7.0	EC002714
Housing Construction Form	Rectangular
Product Type	Safety Switch
Recommended Actuator	EX-BPS 33-3G/D
Recommended Safety Switchgear	SRB-E 301
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Actuating Torque (Nm)	0.15
Actuator Type to EN 50047	C
Assured "OFF" Switching Distance (mm)	20
Assured "ON" Switching Distance (mm)	1
Coding Type	Individual coding, multiple teaching
Contact Material	Silver

Design of Control Element	p-type
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	2
Maximum Cable Cross Section (mm ²)	1 x 1.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	2600
Maximum No-load Supply Current (mA)	50
Maximum Output Current (A)	0.25
Maximum Switching Capacity (W)	0.24
Maximum Switching Current (A)	0.01
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	20
No. of Actuating Directions	3
No. of Cable Wires	6
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	11
Rated Control Voltage AC/DC (V)	24
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	2000
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Bistable contact

Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Screw terminals M20 x 1.5
Thermal Test Current (A)	16
Utilisation Category	DC-13 AC-15

Physical Attributes

Active Area	Plastic
Actuator Type	Magnet
Cable Entry	M20 cable gland
Design	Straight
Enclosure Coating Material	Painted
Enclosure Material	Plastic
Front Ring Material	Aluminium
Gross Weight (g)	26
Installation Conditions	Quasi-flush
Material of The Cable Mantle	PVC
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Mounting Type	Mounting flange EFM
Net Weight (g)	1580
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

Dimensions

Cable Length (m)	2
Depth (mm)	36
Height (mm)	20
Sensor Height (mm)	97.5
Sensor Length (mm)	158
Width (mm)	165

Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 60947-5-1 / EN IEC 60947-1

Resources

Product catalogue (Flipbook)	Download from here
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