

## Product No: 101059917

### SCHMERSAL MAGNETIC REED SWITCH METAL HOUSING 101059917

*Note: Contact symbols shown for the closed condition of the guard device. | The safety sensor must be mounted in such a way that actuation with another magnet is impossible (concealed mounting according to EN ISO 14119)*



#### 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	27-27-26-92
eCl@ss Number, Version 9.0	27-27-26-92
ETIM 6.0	EC000030
ETIM 7.0	EC002714
Housing Construction Form	Rectangular
Product Type	Safety Switch
Protection Class of Operating Resource	2
Recommended Actuator	BP10   BP 8   BP 6   BP15 SS
Recommended Safety Switchgear	SRB-E 301
Working Principle	Mechanical

#### Technical Attributes

No. of Auxiliary Contacts	2
Actuating Torque (Nm)	0.15
Actuator Type to EN 50047	B
Assured "OFF" Switching Distance (mm)	10
Assured "ON" Switching Distance (mm)	7
Coding Type	Individual coding, multiple teaching
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 Cable Cross Section (mm <sup>2</sup> )	2.5
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)	3
Maximum Switching Current (A)	0.01
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	20
No. of Actuating Directions	1
No. of Cable Wires	6
No. of Normally-open Contacts	1
No. of Safety Contacts	1
Overvoltage Category	3
Positive Break Travel (mm)	11
Rated Control Voltage DC (V)	24
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	150 / 600
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Normally open contact (NO)

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	Glass-fibre, reinforced thermoplastic
Actuator Type	Magnet
Cable Entry	M20 cable gland
Design	Angled
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Front Ring Material	Aluminium
Gross Weight (g)	1890
Installation Conditions	Arbitrarily
Material of The Cable Mantle	PUR
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Mounting Type	Interior mounting holes
Net Weight (g)	320
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

### Dimensions

Cable Length (m)	5
Depth (mm)	37
Height (mm)	20
Sensor Height (mm)	89.5
Sensor Length (mm)	36
Width (mm)	165

## Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN IEC 60947-1

## Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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