

Product No: 101147145

SCHMERSAL AZ16-02ZVRK-M16 SAFETY SWITCH WITH SEPARATE ACTUATOR 101147145

FEATURES

- Magnetic reed switch with thermoplastic enclosure
- Spade connector with rectangular design
- Terminal Connector Cable outlet on the left side
- Includes 2 shielding plates and LED indicator
- Front actuation with bistable contact switching element
- Actuation distance range: 5 mm to 55 mm
- Maximum switching voltage: 250 VAC
- Maximum switching current: 3 A
- Maximum switching capacity: 120 W at 300 Hz



Note: The membrane protects the button against grinding dust or other pasty, viscous substances.

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	27-27-01-05
eCl@ss Number, Version 9.0	27-37-12-13
ETIM 6.0	EC000222
ETIM 7.0	EC002593
Housing Construction Form	Norm construction design
Product Type	Safety Switch
Series	AZ16
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver

Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	2 x 0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	17
No. of Safety Contacts	2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 1 NC contacts
Switching Principle	Slow action
Terminal Type	Connector
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.25 A

Physical Attributes

Actuator Type	Roller lever
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	356.67
Maximum Ambient Temperature (°C)	75
Maximum Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-30
Net Weight (g)	272.29
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	0.25 mm

Dimensions

Sensor Height (mm)	171.5
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Sensor Length (mm)	21.5
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Protection & Standards

Degree of Protection	IP67
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Standards	EN IEC 61496-1 / EN IEC 61496-2
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Resources

Product catalogue (Flipbook)	Download from here
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