

## Product No: 101145117

### SCHMERSAL AZM 161-B1 SOLENOID INTERLOCK 101145117

#### FEATURES

- Position switch with metal enclosure
- Actuating element: Rod lever
- Switching elements: 1 NO contact and 1 NC contact
- Thermal test current: 10 A
- Utilisation category AC-15: 230 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 1 A
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -30 °C to +80 °C



*Note: Closed guard device = 0° in contact switch travel diagrams. | The factory-set switching angle is 3°. | Until the limit of the mechanical life has been reached the angle can increase up to 8° under normal wear-out conditions. | The positive break angle is 5°.*

#### 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	27-37-12-11
eCl@ss Number, Version 9.0	27-27-26-92
ETIM 6.0	EC002593
ETIM 7.0	EC001038
Housing Construction Form	Norm construction design
Product Type	Accessory
Series	AZM161
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Maximum Actuating Speed (m/s)	1

Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	2.5
Rated Insulation Voltage (V)	500
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Connector M8
Thermal Test Current (A)	0.25
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	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross Weight (g)	71.34
Maximum Ambient Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Net Weight (g)	1900
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	13 AWG

### Dimensions

Sensor Height (mm)	75
--------------------	----

## Protection & Standards

Degree of Protection

IP67 / IP65

Standards

EN IEC 60947-5-3 / BG-GS-ET-14

## Resources

Product catalogue (Flipbook)

[Download from here](#)