

Product No: 101096090

SCHMERSAL AZ15/16-B3-1747 WITH MAGNETIC LATCH SAFETY SWITCH WITH SEPARATE ACTUATOR 101096090

FEATURES

- Safety switch with separate actuator
- Features a flexible actuator with magnetic latch
- Actuator type: straight/flexible
- Actuating radius: 45 mm

Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.

| 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 | EC001449 |
| ETIM 7.0 | EC000030 |
| Housing Construction Form | Norm construction design |
| Product Type | Accessory |
| Protection Class of Operating Resource | 2 |
| Recommended Actuator | AZ/AZM201-B1 AZ/AZM201-B30 |
| Recommended Safety Switchgear | SRB-E-301ST SRB-E-201LC |
| Series | AZ15/16 |
| Working Principle | Mechanical |

| Technical Attributes | |
|---------------------------|--------|
| No. of Auxiliary Contacts | 1 |
| Contact Material | Silver |
| Design of Control Element | p-type |

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|--|---------------------------|
| Maximum Actuating Speed (m/s) | 1 |
| Maximum Bounce Duration (ms) | 3 |
| Maximum Cable Cross Section (mm ²) | 2.5 |
| Maximum Fuse Rating | 6 A gG D-fuse |
| Maximum Switching Capacity (W) | 10 |
| Minimum Actuating Force (N) | 9 |
| Minimum Actuating Speed (mm/min) | 27 |
| Minimum Cable Cross Section (mm ²) | 0.75 |
| Minimum Mechanical Life | 2000000 Operations |
| Minimum Positive Break Force (N) | 19 |
| No. of Actuating Directions | 3 |
| No. of Normally-open Contacts | 1 |
| No. of Safety Contacts | 2 |
| Overvoltage Category | 3 |
| Positive Break Travel (mm) | 11 |
| Rated Impulse Withstand Voltage (kV) | 6 |
| Rated Insulation Voltage (V) | 300 |
| Rated Operating Current (mA) | 700 |
| Rated Short-circuit Current (A) | 400 |
| Resistance to Shock (g/ms) | 30 / 11 |
| Switching Element | Opener (NC) |
| Switching Principle | Slow action |
| Terminal Type | Screw terminals M20 x 1.5 |
| Utilisation Category | DC-13 AC-15 |
| Utilisation Category DC-13 | 0.05 A |

Physical Attributes

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|----------------------------|---------------------------------------|
| Actuator Type | Offset roller lever |
| Enclosure Coating Material | Painted |
| Enclosure Material | Glass-fibre, reinforced thermoplastic |
| Gross Weight (g) | 240 |
| Installation Conditions | Quasi-flush |

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|----------------------------------|-----------|
| Maximum Ambient Temperature (°C) | 55 |
| Minimum Ambient Temperature (°C) | -30 |
| Mounting Type | Screws |
| Net Weight (g) | 23 |
| Storage Temperature (°C) | -40 to 85 |
| Wire Cross-Section | 0.25 mm |

Dimensions

| | |
|--------------------|------|
| Cable Length (m) | 10 |
| Depth (mm) | 121 |
| Height (mm) | 80 |
| Sensor Height (mm) | 92.5 |
| Sensor Length (mm) | 33 |
| Width (mm) | 165 |

Protection & Standards

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|-------------------------------|------------------|
| Degree of Protection | IP66 / IP67 |
| Explosion Protection Category | 3D 3G |
| Pollution Degree | 2 |
| Standards | EN IEC 60947-5-1 |

Resources

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|------------------------------|------------------------------------|
| Product catalogue (Flipbook) | Download from here |
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