

Product No: 101057521

SCHMERSAL ACTUATOR 101057521

Note: The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets. | When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N).

General Information

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| 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 | 27-27-06-01 |
| eCl@ss Number, Version 9.0 | 27-27-06-01 |
| ETIM 6.0 | EC002714 |
| ETIM 7.0 | EC000127 |
| Housing Construction Form | Cylinder thread |
| No. of Beams | 48 |
| Product Type | Accessory |
| Protection Class of Operating Resource | 2 |
| Recommended Actuator | BPS 33-2326 BPS 33 |
| Recommended Safety Switchgear | SRB-E 301 |
| Version | Round Mushroom button |
| Working Principle | Magnetic drive |

Technical Attributes

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| No. of Auxiliary Contacts | 1 |
| Switchover Time (ms) | 40 |
| Actuating Torque (Nm) | 0.15 |
| Actuator Type to EN 50047 | C |
| Assured "OFF" Switching Distance (mm) | 15 |
| Assured "ON" Switching Distance (mm) | 5 |

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| Bounce Duration | Bounce duration in accordance with actuating speed |
| Coding Type | Universal coding |
| Connector Type | Connector plug M12, 4-pole |
| Contact Material | Silver |
| Design of Control Element | p-type |
| Detection Ability for Test Bodies @ V = 1.6 m/s | 30 mm |
| Height of The Protection Field (mm) | 810 |
| Integral System Diagnostics Status | Yes |
| Latching Force (N) | 20 |
| Maximum Actuating Speed (m/s) | 1 |
| Maximum Bounce Duration (ms) | 2 |
| Maximum Cable Cross Section (mm ²) | 1 x 2.5 |
| Maximum Electrical Power Consumption (W) | 10 |
| Maximum Fuse Rating | 2 A gG D-fuse |
| Maximum Holding Force (N) | 2600 |
| Maximum Leakage Current (mA) | 0.5 |
| Maximum No-load Supply Current (mA) | 100 |
| Maximum Output Current (A) | 0.25 |
| Maximum Permissible Installation Altitude Above Sea Level (m) | 2000 |
| Maximum Protection Field (mm) | 20000 |
| Maximum Reaction Time (ms) | 10 |
| Maximum Switching Capacity (VA) | 10 |
| Maximum Switching Current (A) | 0.01 |
| Maximum Switching Frequency (Hz) | 5 |
| Maximum Switching Voltage DC (V) | 250 |
| Minimum Actuating Force (N) | 12 |
| Minimum Actuating Speed (mm/min) | 160 |
| Minimum Cable Cross Section (mm ²) | 0.25 |
| Minimum Mechanical Life | 10000000 Operations |
| Minimum Positive Break Force (N) | 8.5 |

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| No. of Actuating Directions | 4 |
| No. of Cable Wires | 6 |
| No. of Normally-open Contacts | 1 |
| No. of Safety Contacts | 1 |
| Overvoltage Category | 3 |
| Positive Break Travel (mm) | 2 |
| Rated Control Voltage DC (V) | 24 |
| Rated Impulse Withstand Voltage (kV) | 6 |
| Rated Insulation Voltage (V) | 500 |
| Rated Operating Current (mA) | 4000 |
| Rated Short-circuit Current (A) | 1000 |
| Resistance to Shock (g/ms) | 110 / 4 |
| Switching Element | Normally open contact (NO) |
| Switching Principle | Slow action |
| Switchover Time | Switchover time in accordance with actuating speed |
| Terminal Type | Plug-in connection, top |
| Tolerance | 10% |
| Utilisation Category | DC-13 AC-15 |
| Utilisation Category AC-15 | 230 VAC |
| Utilisation Category DC-13 | 2.5 A, 24 VDC |
| Wavelength of The Sensor (nm) | 850 |

Physical Attributes

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|----------------------------|-----------------------------------|
| Active Area | Plastic |
| Actuator Type | Offset roller lever |
| Cable Entry | Without cable gland |
| Colour of The Front Ring | Silver |
| Design | Straight |
| Direction of Motion | Head-on to the active surface |
| Enclosure Coating Material | Nickel-plated |
| Enclosure Material | Light-alloy diecast, paint finish |

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|-----------------------------------|-------------------------------------|
| Front Ring Material | Aluminium |
| Gross Weight (g) | 30 |
| Installation Conditions | Quasi-flush |
| Lever Material | Plastic |
| Material of The Cable Mantle | PVC |
| Maximum Ambient Temperature (°C) | 80 |
| Maximum Relative Humidity | 85% |
| Minimum Ambient Temperature (°C) | -25 |
| Mounting Type | Mounting flange |
| Net Weight (g) | 815 |
| Recipient Terminal Connector Type | Connector plug M12, 8-pole |
| Roller Material | Plastic |
| Sealing Type | Form seals / Lip gaskets / Membrane |
| Storage Temperature (°C) | -25 to 70 |
| Wire Cross-Section | 0.34 mm |

Dimensions

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| Cable Length (m) | 1 |
| Depth (mm) | 115 |
| Height (mm) | 189 |
| Sensor Height (mm) | 1491 |
| Sensor Length (mm) | 30 |
| Spacing (mm) | 80 x 80 |
| Width (mm) | 170 |

Protection & Standards

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| Degree of Protection | IP67 |
| Explosion Protection Category | 2D |
| Pollution Degree | 3 |
| Standards | EN IEC 60947-5-3 / BG-GS-ET-14 |

Resources



Product catalogue (Flipbook)

[Download from here](#)
