

Limit switch box SRBC-CA3-YR90-MW-1-1WG-M12

Part number: 8137099

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|---|
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Certificate issuing authority | Eurocert. SIL202587141 |
| Note on materials | RoHS-compliant |
| Safety Integrity Level (SIL) | Safety Integrity Level 3 |
| Measuring principle | Mechanical/electrical |
| Ambient temperature | -40 °C ... 80 °C |
| Switching output | Contacting (gold) |
| Switching element function | Toggle switch, single-pole |
| Max. output current DC | 100 mA |
| Operational voltage range DC | 0 V ... 30 V |
| Microswitch type | Omron D2SW-01L1T |
| Electrical connection | M12 |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, design | Round |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 8 |
| Electrical connection 1, connection pattern | 00995600 |
| Connectable nominal cross section conductor | 0.25 mm ² ... 2.5 mm ² |
| Permissible cable diameter | 5 mm ... 13 mm |
| Dimensions (W x L x H) | 127 mm x 111 mm x 122 mm |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1 |
| Mounting position | optional |
| Product weight | 800 g |
| Housing colour | grey |
| Material housing | Die-cast aluminium |
| Material seals | VMQ (silicone) |
| Material shaft | High-alloy stainless steel |
| Material screws | High-alloy stainless steel |
| Material mounting bracket | High-alloy stainless steel |
| Material snap ring | High-alloy stainless steel |
| Material disc | High-alloy stainless steel |
| Material cover cap | PC |

| Feature | Value |
|------------------------------------|--|
| Material fitting | Nickel-plated brass |
| Position indicator | Yellow/red |
| Setting range of angular detection | 0 deg ... 90 deg |
| Storage temperature | -20 °C ... 50 °C |
| Degree of protection | IP66 |
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| Vibration resistance | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Pollution degree | 3 |