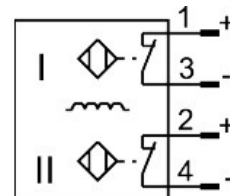


# Limit switch box SRBC-CA3-YR90-MW-1-1WG-M12

Part number: 8137099

**FESTO**



## Data sheet

| Feature  | Value   |
|--|---|
| CE marking (see declaration of conformity)                               | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity)                             | To UK instructions for EMC<br>To UK RoHS instructions |
| Note on materials  | RoHS-compliant  |
| Safety integrity level (SIL)   | SIL 2   |
| Measuring principle  | Mechanical/electrical                                 |
| Ambient temperature  | -40 °C...80 °C  |
| Switching output   | Contact-based (gold)                                  |
| Switching element function   | Toggle switch, single-pin                             |
| Max. output current DC   | 100 mA  |
| DC operating voltage range   | 0 V...30 V  |
| Microswitch type   | Omron D2SW-01L1T                                      |
| Electrical connection  | M12   |
| Electrical connection 1, connection type                                 | Plug  |
| Electrical connection 1, cable outlet                                    | Straight  |
| Electrical connection 1, design  | Round   |
| Electrical connection 1, connection technology                           | M12x1 A-coded as per EN 61076-2-101                   |
| Electrical connection 1, number of pins/wires                            | 8   |
| Closable nominal conductor cross-section                                 | 0.25 mm²...2.5 mm²                                    |
| Approved 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  | Any   |
| Product weight   | 800 g   |
| Housing colour   | Gray  |
| Housing material   | Die-cast aluminum                                     |
| Seals material   | VMQ (silicone)  |
| Shaft material   | High-alloy stainless steel                            |
| Material of screws   | High-alloy stainless steel                            |

| Feature                          | Value  |
|----------------------------------|--|
| Material of mounting bracket     | High-alloy stainless steel   |
| Circlip material                 | High-alloy stainless steel   |
| Disc material                    | High-alloy stainless steel   |
| Cover cap material               | PC   |
| Position indicator               | Yellow/red   |
| Angle detection setting range    | 0 deg...90 deg   |
| Storage temperature              | -20 °C...50 °C   |
| Degree of protection             | IP66   |
| Shock resistance                 | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Vibration resistance             | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress  |
| LABS (PWIS) conformity           | VDMA24364 zone III   |
| Contamination level              | 3  |