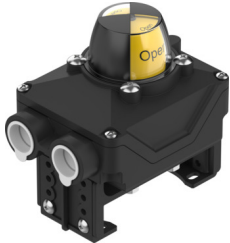


# Limit switch box SRBK-CA4-YR90-MW-1-1WG-C2

Part number: 8191214

**FESTO**



 General operating condition

## Data sheet

| Feature                                                                  | Value                                                                                                                               |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| CE mark (see declaration of conformity)                                  | To EU EMC Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive                                          |
| UKCA marking (see declaration of conformity)                             | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK regulations for electrical equipment                                 |
| Certificate issuing authority                                            | Eurocert. SIL202587141                                                                                                              |
| Note on materials                                                        | RoHS-compliant                                                                                                                      |
| Safety Integrity Level (SIL)                                             | Safety Integrity Level 3                                                                                                            |
| Measured variable                                                        | Position                                                                                                                            |
| Measuring principle                                                      | Mechanical/electrical                                                                                                               |
| Sensing range                                                            | 0 deg ... 90 deg                                                                                                                    |
| Ambient temperature                                                      | -20 °C ... 70 °C                                                                                                                    |
| Switching output                                                         | Contacting (gold)                                                                                                                   |
| Switching element function                                               | Toggle switch, single-pole                                                                                                          |
| Max. switching output voltage DC                                         | 30 V                                                                                                                                |
| Max. output current DC                                                   | 100 mA                                                                                                                              |
| Max. switching capacity DC                                               | 3 W                                                                                                                                 |
| Operational voltage range DC                                             | 0 V ... 30 V                                                                                                                        |
| Microswitch type                                                         | Omron SS-01                                                                                                                         |
| Electrical connection                                                    | Screw terminal                                                                                                                      |
| Electrical connection 1, connection type                                 | Terminal strip                                                                                                                      |
| Electrical connection 1, cable outlet                                    | Straight                                                                                                                            |
| Electrical connection 1, design                                          | Angular                                                                                                                             |
| Electrical connection 1, connector system                                | Screw terminal                                                                                                                      |
| Electrical connection 1, number of connections/cores                     | 10                                                                                                                                  |
| Connectable nominal cross section conductor                              | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                                                                        |
| Cable fitting                                                            | M20x1.5                                                                                                                             |
| Dimensions (W x L x H)                                                   | 130 mm x 85 mm x 128 mm<br>130 mm x 85 mm x 138 mm<br>130 mm x 85 mm x 158 mm<br>147 mm x 85 mm x 128 mm<br>147 mm x 85 mm x 138 mm |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1<br>VDI/VDE 3845 size AA 2<br>VDI/VDE 3845 size AA 3                                                          |
| Mounting position                                                        | optional                                                                                                                            |
| Product weight                                                           | 460 g                                                                                                                               |

| Feature                            | Value                                                                            |
|------------------------------------|----------------------------------------------------------------------------------|
| Housing colour                     | Black                                                                            |
| Material housing                   | PA                                                                               |
| Material seals                     | NBR                                                                              |
| Material shaft                     | PA                                                                               |
| Material screws                    | Stainless steel                                                                  |
| Material mounting bracket          | PA                                                                               |
| Material snap ring                 | High-alloy stainless steel                                                       |
| Protective cap material            | PC                                                                               |
| Switching status indication        | Optical                                                                          |
| Position indicator                 | Yellow/red                                                                       |
| Setting range of angular detection | 0 deg ... 90 deg                                                                 |
| Storage temperature                | -20 °C ... 50 °C                                                                 |
| Degree of protection               | IP66<br>IP67                                                                     |
| Shock resistance                   | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |
| Vibration resistance               | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Corrosion resistance class CRC     | 3 - high corrosion stress                                                        |
| LABS (PWIS) conformity             | VDMA24364 zone III                                                               |
| Pollution degree                   | 3                                                                                |