

# Limit switch box SRBC-CA3-YR90-MW-22A-1W-C2P20

Part number: 3482805

FESTO



 General operating condition

## Data sheet

| Feature                                                                  | Value                                                                  |
|--------------------------------------------------------------------------|------------------------------------------------------------------------|
| Certification                                                            | c CSA us (OL)                                                          |
| CE marking (see declaration of conformity)                               | As per EU low voltage directive<br>As per EU RoHS directive            |
| UKCA marking (see declaration of conformity)                             | To UK RoHS instructions<br>To UK instructions for electrical equipment |
| KC characters                                                            | KC EMC                                                                 |
| Certificate issuing authority                                            | Eurocert. SIL202587141                                                 |
| Note on materials                                                        | RoHS-compliant                                                         |
| Safety integrity level (SIL)                                             | SIL 3                                                                  |
| Measuring principle                                                      | Mechanical/electrical                                                  |
| Ambient temperature                                                      | -20 °C ... 80 °C                                                       |
| Switching output                                                         | Contact-based                                                          |
| Switching element function                                               | Toggle switch, single-pin                                              |
| Max. output current AC                                                   | 3000 mA                                                                |
| Max. output current DC                                                   | 3000 mA                                                                |
| Operating voltage range AC                                               | 0 V ... 230 V                                                          |
| DC operating voltage range                                               | 0 V ... 30 V                                                           |
| Microswitch type                                                         | Omron SS-5                                                             |
| Electrical connection                                                    | Screw terminal                                                         |
| Electrical connection 1, connection type                                 | Terminal strip                                                         |
| Electrical connection 1, cable outlet                                    | Straight                                                               |
| Electrical connection 1, connection technology                           | Spring-loaded terminal                                                 |
| Electrical connection 1, number of pins/wires                            | 10                                                                     |
| Closable nominal conductor cross-section                                 | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                           |
| Cable fitting                                                            | M20x1.5                                                                |
| Approved cable diameter                                                  | 5 mm ... 13 mm                                                         |
| Dimensions W x L x H                                                     | 127 mm x 98 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                                                           | NBR                                                                    |
| Shaft material                                                           | High-alloy stainless steel                                             |
| Material of screws                                                       | High-alloy stainless steel                                             |

| Feature                          | Value                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------|
| Blanking plug material           | PA                                                                                   |
| Material of mounting bracket     | High-alloy stainless steel                                                           |
| Pointer material                 | PC                                                                                   |
| Material for cable connector     | PA                                                                                   |
| 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             | IP67<br>NEMA 4/4X                                                                    |
| 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                                                                                    |