

# Limit switch box SRBK-CA4-YR90-N-1-ZU-C2

Part number: 8182179

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| CE mark (see declaration of conformity)                                  | To EU EMC Directive<br>In accordance with EU RoHS Directive   |
| CE marking (see declaration of conformity)                               | To UK instructions for EMC<br>To UK RoHS instructions   |
| Note on materials  | RoHS-compliant  |
| Measured variable  | Position  |
| Measuring principle  | Inductive   |
| Sensing range  | 0 deg...90 deg  |
| Ambient temperature  | -20 °C...70 °C  |
| Switching output   | Non-contacting, 2-wire  |
| Switching element function   | N/O contact   |
| Max. output current DC   | 100 mA  |
| Voltage drop   | 4 V   |
| Min. load current  | 4 mA  |
| Off-state current  | 0.4 mA...0.55 mA  |
| Operational voltage range DC   | 5 V...60 V  |
| Reverse polarity protection  | For all electrical connections  |
| Microswitch type   | P&F NBB3-V3-Z4  |
| 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  |

| Feature                            | Value  |
|------------------------------------|--|
| Mounting position                  | optional   |
| Product weight                     | 460 g  |
| 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  |