

# Limit switch box SRBC-CA5-YR90-N-1-P-C2

Part number: 8137106

FESTO



 General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Approval   | RCM trademark<br>c CSA us (OL)                              |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions                                     |
| KC mark  | KC-EMV  |
| Certificate issuing authority                        | Eurocert. SIL202587141                                      |
| Note on materials                                    | RoHS-compliant  |
| Safety Integrity Level (SIL)                         | Safety Integrity Level 3                                    |
| Measuring principle                                  | Inductive   |
| Ambient temperature                                  | -20 °C ... 80 °C  |
| Switching output                                     | PNP   |
| Switching element function                           | N/O contact   |
| Max. switching frequency                             | 1000 Hz   |
| Max. output current DC                               | 100 mA  |
| Voltage drop   | ≤3 V  |
| Short circuit current rating                         | Pulsed  |
| Operational voltage range DC                         | 10 V ... 30 V   |
| No-load supply current                               | ≤15 mA  |
| Reverse polarity protection                          | For all electrical connections                              |
| Microswitch type                                     | P&F NBB2-V3-E2  |
| Electrical connection                                | Screw terminal  |
| Electrical connection 1, connection type             | Terminal strip  |
| Electrical connection 1, cable outlet                | Straight  |
| Electrical connection 1, connector system            | Spring-loaded 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>                |
| Permissible cable diameter                           | 5 mm ... 13 mm  |
| Dimensions (W x L x H)                               | 114 mm x 98 mm x 122 mm                                     |
| Type of mounting                                     | On flange according to ISO 5211                             |
| Mounting position                                    | optional  |
| Product weight                                       | 800 g   |
| Housing colour                                       | grey  |
| Material housing                                     | Die-cast aluminium  |
| Material seals                                       | NBR   |
| Material shaft                                       | High-alloy stainless steel                                  |

| Feature                            | Value  |
|------------------------------------|--|
| 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   |
| 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<br>NEMA 4/4X  |
| 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  |