

# Sensorbox SRBG-C1-N-1-P-M12

Part number: 3568055

FESTO



 General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Design   | Angular   |
| Based on standard                                    | EN 60947-5-2<br>VDI/VDE 3845                                |
| Approval   | RCM trademark<br>c UL 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  |
| Note on materials                                    | RoHS-compliant  |
| Measuring principle                                  | Inductive   |
| Ambient temperature                                  | -25 °C ... 70 °C  |
| Switching output                                     | PNP   |
| Switching element function                           | N/O contact   |
| Max. switching frequency                             | 500 Hz  |
| Max. output current DC                               | 100 mA  |
| Voltage drop   | ≤3 V  |
| Off-state current                                    | 0 mA ... 0.5 mA   |
| Short circuit current rating                         | Pulsed  |
| Operational voltage range DC                         | 10 V ... 30 V   |
| No-load supply current                               | ≤25 mA  |
| Reverse polarity protection                          | For all electrical connections                              |
| Electrical connection input                          | M12x1   |
| Electrical connection 1, connection type             | Plugs   |
| Electrical connection 1, cable outlet                | Straight  |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101                            |
| Electrical connection 1, number of connections/cores | 4   |
| Electrical connection 1, connection pattern          | 00995597  |
| Type of mounting                                     | Threaded  |
| Mounting position                                    | optional  |
| Product weight                                       | 70 g  |
| Material housing                                     | PBT   |
| Material screws                                      | High-alloy stainless steel                                  |
| Material fitting                                     | Nickel-plated, die-cast zinc                                |
| Ready status indication                              | Green LED   |

| <b>Feature</b>              | <b>Value</b>   |
|-----------------------------|--|
| Switching status indication | Yellow LED   |
| Storage temperature         | -25 °C ... 70 °C   |
| Degree of protection        | IP67   |
| 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 |
| LABS (PWIS) conformity      | VDMA24364 zone III   |
| Pollution degree            | 3  |