

Sensorbox SRBC-CA3-YR90-N-1-P-C2P20

Part number: 3482808

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|---|
| Approval | RCM trademark c CSA us (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC 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 ... 70 °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 |
| 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 | ≤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 ² ... 2.5 mm ² |
| Cable fitting | M20x1.5 |
| Permissible 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 | optional |
| Product weight | 800 g |
| Housing colour | grey |

| Feature | Value |
|------------------------------------|--|
| Material housing | Die-cast aluminium |
| Material seals | NBR |
| Material shaft | High-alloy stainless steel |
| Material screws | High-alloy stainless steel |
| Material blanking plug | PA |
| Material mounting bracket | High-alloy stainless steel |
| Material indicator | PC |
| Material cable gland | PA |
| 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 | IP67 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 |