

Sensor box SRBC-CA3-YR90-N-1-P-C2P20

Part number: 3482808

FESTO



Data sheet

| Feature | Value |
|--|---|
| Type code | SRBC |
| Certification | RCM compliance mark c CSA us (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| KC characters | KC EMC |
| Note on materials | RoHS-compliant |
| Safety integrity level (SIL) | SIL 2 |
| 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 |
| Residual current | 0 mA ... 0.5 mA |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V ... 30 V |
| Idle current | ≤15 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | Screw terminal |
| Closable nominal conductor cross-section | 0.25 mm ² ... 2.5 mm ² |
| Cable fitting | M20x1.5 |
| Approved cable diameter | 5 mm ... 13 mm |
| Type of mounting | On flange as per ISO 5211 With mounting bracket |
| Connection for valve 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 |
| Blanking plug material | PA |
| Material of mounting bracket | High-alloy stainless steel |

| Feature | Value |
|-------------------------------|--|
| 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 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 |
| LABS conformity | VDMA24364 zone III |
| Contamination level | 3 |