

Sensorbox SRBE-CA3-YR90-N-20N-ZC-C2M20-EX

Part number: 3471013

FESTO



Data sheet

| Feature | Value |
|---|--|
| Design | Angular |
| Based on standard | EN 60947-5-6 ISO 5211 VDI/VDE 3845 |
| Approval | RCM trademark |
| CE mark (see declaration of conformity) | To EU EMC Directive To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK instructions for EMC To UK EX instructions To UK RoHS instructions |
| Explosion protection | Zone 1 (ATEX) Zone 1 (BR) Zone 1 (CN) Zone 1 (IEC-EX) Zone 1 (KR) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (BR) Zone 21 (CN) Zone 21 (IEC-EX) Zone 21 (IN) Zone 21 (KR) Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| Explosion ignition protection type for gas | Ex db IIC T6 Gb |
| ATEX category dust | II 2D |
| Explosion ignition protection type for dust | Ex tb IIIC T...°C Db |
| Explosion protection certification outside the EU | EPL Db (BR) EPL Db (CN) EPL Db (IEC-EX) EPL Db (IN) EPL Db (KR) EPL Gb (BR) EPL Gb (CN) EPL Gb (IECEX) EPL Gb (IN) EPL Gb (KR) |
| Explosion ambient temperature | -20°C ≤ Ta ≤ +60°C |

| Feature | Value |
|--|---|
| Max. surface temperature | 61 °C |
| Certificate issuing authority | 18-GA4BO-0516X 18-GA4BO-0517X DNV 16.0067X FTZU 15 ATEX 0095X GYJ 16.1497X IECEX FTZU 15.0014X KCC-18-GA4BO |
| Note on materials | RoHS-compliant |
| Safety Integrity Level (SIL) | SIL 2 |
| Measuring principle | Inductive |
| Ambient temperature | -20 °C...60 °C |
| Switching output | NAMUR |
| Switching element function | N/C contact |
| Max. output current DC | 3 mA |
| Operational voltage range DC | 8.2 V |
| Electrical connection | 10-pin Screw terminal |
| Connectable nominal cross section conductor | 0.25 mm ² ...2.5 mm ² |
| Cable fitting | M20x1.5 |
| Type of mounting | On flange according to ISO 5211 Via mounting bracket |
| Connection point for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1 |
| Mounting position | optional |
| Product weight | 1700 g |
| Housing colour | Silver |
| Material housing | Painted die cast aluminium |
| Material seals | NBR |
| Material shaft | High-alloy stainless steel |
| Material screws | High-alloy stainless steel |
| Material mounting bracket | High-alloy stainless steel |
| Material indicator | PC |
| Material snap ring | High-alloy stainless steel |
| Material disc | High-alloy stainless steel |
| Position indicator | Yellow/red |
| Setting range of angular detection | 0 deg...90 deg |
| Storage temperature | -20 °C...60 °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 |