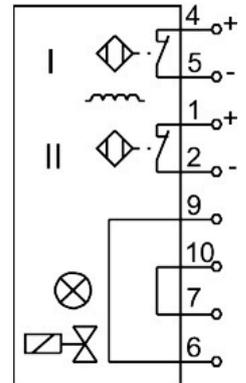


Sensor box SRBG-C1-N-20N-ZC-C2-C2-EX5

Part number: 3568167

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | Rectangular |
| Based on norm | EN 60947-5-6 VDI/VDE 3845 |
| Certification | RCM compliance mark c UL us (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC acc. to UK EX instructions To UK RoHS instructions |
| Explosion prevention and protection | Zone 0 (ATEX) Zone 0 (CN) Zone 0 (UKEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 20 (CN) Zone 20 (UKEX) |
| ATEX category gas | II 1G |
| Type of ignition protection for gas | Ex ia IIC T6...T1 Ga |
| Explosion protection certification outside the EU | EPL Da (CN) EPL Da (GB) EPL Ga (CN) EPL Ga (GB) |
| Explosive ambient temperature | See ATEX certificate See IECEx certificate |
| Effective internal inductance Li | 100 µH |
| Effective internal capacitance Ci | 100 nF |
| Max. input parameter of intrinsically safe circuit | See IECEx certificate See ATEX certificate |

| Feature | Value |
|--|--|
| Certificate issuing authority | 2020322315003530 CML22UKEX2263X |
| Note on materials | RoHS-compliant |
| Safety integrity level (SIL) | SIL 2 |
| Measuring principle | Inductive |
| Ambient temperature | -25 °C...100 °C |
| Switching output | NAMUR |
| Switching element function | N/C contact |
| Max. switching frequency | 3000 Hz |
| Max. output current DC | 3 mA |
| Short-circuit protection | yes |
| DC operating voltage range | 8.2 V |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Terminal strip |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection technology | Spring-loaded terminal |
| Electrical connection 1, number of pins/wires | 10 |
| Closable nominal conductor cross-section | 0.2 mm ² ...2.5 mm ² |
| Cable fitting | M20x1.5 |
| Type of mounting | Threaded |
| Mounting position | Any |
| Product weight | 170 g |
| Housing material | PBT |
| Material of screws | High-alloy stainless steel |
| Switching status indication | LED yellow |
| Status indicator | LED yellow = pneumatic valve switching status |
| Storage temperature | -40 °C...100 °C |
| Degree of protection | IP67 |
| 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 (PWIS) conformity | VDMA24364 zone III |
| Contamination level | 3 |