

Limit switch box SRBK-CA5-YR90-N-1-ZU-C2

Part number: 8182185

FESTO



Data sheet

| Feature | Value |
|--|---|
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Note on materials | RoHS-compliant |
| Measured variable | Position |
| Measuring principle | Inductive |
| Sensing range | 0 deg...90 deg |
| Ambient temperature | -20 °C...70 °C |
| Switching output | Non-contact, 2-wire |
| Switching element function | N/O contact |
| Max. output current DC | 100 mA |
| Voltage drop | 4 V |
| Minimum load current | 4 mA |
| Residual current | 0.4 mA...0.55 mA |
| DC operating voltage range | 5 V...60 V |
| Reverse polarity protection | for all electrical connections |
| Microswitch type | P&F NBB3-V3-Z4 |
| Electrical connection | Screw terminal |
| Electrical connection 1, connection type | Terminal strip |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, design | Rectangular |
| Electrical connection 1, connection technology | Screw terminal |
| Electrical connection 1, number of pins/wires | 10 |
| Closable nominal conductor cross-section | 0.25 mm ² ...2.5 mm ² |
| Cable fitting | M20x1.5 |
| Dimensions W x L x H | 119 mm x 85 mm x 89 mm |
| Type of mounting | On flange as per ISO 5211 |
| Mounting position | Any |
| Product weight | 360 g |
| Housing colour | Black |
| Housing material | PA |

| Feature | Value |
|----------------------------------|--|
| Seals material | NBR |
| Shaft material | PA |
| Material of screws | Stainless steel |
| Material of mounting bracket | PA |
| Circlip material | High-alloy stainless steel |
| Protective cap material | PC |
| Switching status indication | Optical |
| Position indicator | Yellow/red |
| Angle detection setting range | 0 deg...90 deg |
| Storage temperature | -20 °C...50 °C |
| Degree of protection | IP66 IP67 |
| Shock resistance | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 |
| Vibration resistance | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Corrosion resistance class (CRC) | 3 - High corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Contamination level | 3 |