

Limit switch box

SRAP-M-CA1-GR270-1-A-TP20-EX2

FESTO

Part number: 568241



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Design | Square |
| Based on norm | VDI/VDE 3845 (NAMUR) |
| Certification | RCM compliance mark c UL us - recognized (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 RoHS instructions |
| Explosion prevention and protection | Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX) |
| ATEX category gas | II 3G |
| Type of ignition protection for gas | Ex ec IIC T5 Gc X |
| ATEX category for dust | II 3D |
| Type of (ignition) protection for dust | Ex tc IIIC T90°C Dc X |
| Explosion protection certification outside the EU | EPL Dc (GB) EPL Gc (GB) |
| Explosive ambient temperature | -20°C ≤ Ta ≤ +80°C |
| Note on materials | RoHS compliant |
| Measured variable | Rotation angle |
| Measuring principle | Magnetic Hall |
| Ambient temperature | -20 °C ... 80 °C |
| Analog output | 4 - 20 mA |
| Repetition accuracy analog output in ± ° | 1 deg |
| Short-circuit protection | Yes |
| Overload protection | Available |
| DC operating voltage range | 15 V ... 30 V |
| Idle current | 12 mA ... 20 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | Screw terminal Can be plugged in |
| Closable nominal conductor cross-section | 2.5 mm ² |
| Cable fitting | M20 |
| Approved cable diameter | 5 mm ... 13 mm |
| Max. cable length | 30 m |
| Mounting position | Any |
| Product weight | 1000 g |

| Feature | Value |
|----------------------------------|--|
| Housing material | Wrought aluminum alloy |
| Position indicator | Red/green |
| Setting options | Teach-in Teach-in via electrical connection |
| Angle detection setting range | 0 deg ... 270 deg |
| Degree of protection | IP65 |
| Insulation voltage | 50 V |
| Surge resistance | 0.8 kV |
| Protection class | III |
| Corrosion resistance class (CRC) | 3 - High corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Contamination level | 3 |