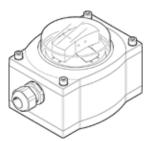
## limit switch box SRAP-M-CA1-GR270-1-A-TP20-EX2

Part number: 568241



Analogue feedback signal from 4....20mA for monitoring process valves actuated with pneumatic quarter turn actuators.



## **Data sheet**

| Feature   | Value                                       |
|---|---|
| Design  | Angular                                     |
| Based on the standard                             | VDI/VDE 3845 (NAMUR)                        |
| Authorisation                                     | RCM Mark                                    |
|   | c UL us - Recognized (OL)                   |
| CE mark (see declaration of conformity)           | to EU directive for EMC                     |
|   | to EU directive explosion protection (ATEX) |
|   | in accordance with EU RoHS directive        |
| UKCA marking (see declaration of conformity)      | To UK instructions for EMC                  |
|   | To UK EX instructions                       |
|   | To UK RoHS instructions                     |
| ATEX category Gas                                 | II 3G                                       |
| Explosion ignition protection type Gas            | Ex ec IIC T5 Gc X                           |
| ATEX category Dust                                | II 3D                                       |
| Explosion ignition protection type Dust           | Ex tc IIIC T90°C Dc X                       |
| Explosion protection certification outside the EU | EPL Dc (GB)                                 |
|   | EPL GC (GB)                                 |
| Explosion-proof ambient temperature               | -20°C <= Ta <= +80°C                        |
| Materials note                                    | Conforms to RoHS                            |
| Measured variable                                 | Rotation angle                              |
| Measuring principle                               | Hall magnetic                               |
| Ambient temperature                               | -20 80 °C                                   |
| Analogue output                                   | 4 - 20 mA                                   |
| Repetition accuracy analogue output in ± °        | 1 deg                                       |
| Short circuit strength                            | Yes   |
| Overload withstand capability                     | Available                                   |
| Operating voltage range DC                        | 15 30 V                                     |
| Idle current                                      | 12 20 mA                                    |
| Polarity protected                                | for all electrical connections              |
| Electrical connection                             | 9-pin                                       |
|   | Screwed terminal                            |
|   | Plug-in                                     |
| Connectable nominal conductor cross section       | 2.5 mm2                                     |
| Cable gland connection                            | M20   |
| Permissible cable diameter                        | 5 13 mm                                     |
| Max. line length                                  | 30 m  |
| Assembly position                                 | Any   |
| Product weight                                    | 1,000 g                                     |
| Material housing                                  | Wrought Aluminium alloy                     |
| Position indicator                                | Red/green                                   |
| Setting options                                   | Teach-In                                    |
|   | Teach-in via electrical connection          |
| Setting range, angle recording                    | 0 270 deg                                   |
| Protection class                                  | IP65  |



| Feature                                 | Value                     |
|---|---------------------------|
| Insulation voltage                      | 50 V                      |
| Surge strength                          | 0.8 kV                    |
| Safety class                            | III                       |
| Corrosion resistance classification CRC | 3 - High corrosion stress |
| PWIS conformity                         | VDMA24364-B2-L            |
| Degree of contamination                 | 3                         |