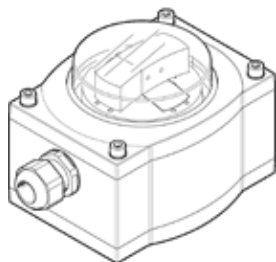


# Sensorbox SRBP-M-CA1-YB270-MSA-20N-TP20-EX2

Part number: 568257

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Design   | Angular  |
| Based on the standard  | VDI/VDE 3845 (NAMUR)   |
| Authorisation  | C-Tick<br>c UL us - Recognized (OL)                                    |
| CE mark (see declaration of conformity)                        | to EU directive for EMC<br>to EU directive explosion protection (ATEX) |
| ATEX category Gas  | II 3G  |
| Explosion ignition protection type Gas                         | Ex nA IIC T5 X Gc  |
| ATEX category Dust   | II 3D  |
| Explosion ignition protection type Dust                        | Ex tc IIIC T90°C X Dc IP65   |
| Explosion protection certification outside the EU              | EPL Dc (RU)<br>EPL Gc (RU)   |
| Explosion-proof ambient temperature                            | -20°C ≤ Ta ≤ +80°C   |
| Materials note   | Conforms to RoHS   |
| Certified for safety function to ISO 13849 and IEC 61508 (SIL) | up to SIL 2 high demand mode   |
| Measured variable  | Rotation angle   |
| Measuring principle  | Reed magnetic  |
| Ambient temperature  | -20 ... 80 °C  |
| Switching element function                                     | Normally open contact  |
| Switching point reproducibility                                | +/- 1 deg  |
| Max. contact rating AC   | 10 VA  |
| Max. contact rating DC   | 10 W   |
| Short circuit strength   | No   |
| Overload withstand capability                                  | Not available  |
| Output signal  | Digital  |
| Operating voltage range DC                                     | 7.8 ... 8.6 V  |
| Polarity protected   | for operating voltage  |
| Electrical connection  | Screwed terminal<br>9-pin<br>Plug-in                                   |
| Max. line length   | 30 m   |
| Cable gland connection   | M20  |
| Permissible cable diameter                                     | 5 ... 13 mm  |
| Connectable nominal conductor cross section                    | 2.5 mm <sup>2</sup>  |
| Assembly position  | Any  |
| Product weight   | 1,000 g  |
| Materials information, housing                                 | Wrought Aluminium alloy  |
| Position indicator   | Yellow/black   |
| Setting range, angle recording                                 | 0 ... 270 deg  |
| Protection class   | IP65   |
| Insulation voltage   | 50 V   |
| Surge strength   | 0.8 kV   |
| Safety class   | III  |
| Corrosion resistance classification CRC                        | 3  |
| Degree of contamination  | 3  |