Positioner CMSX-P-S-C-U-F1-D-50-A-G1 Part number: 2092434

electropneumatic, for double-acting pneumatic quarter turn actuators, standard nominal flow rate 50 l/min, opening/closing actuating effect safety function, 4-line, power supply 24 VDC, setpoint input 0/4-20 mA, 0-10 V, position feedback signal 4...20 mA.



Data sheet

| Feature | Value |
|---|---|
| Sensing range in degrees | 0 100 deg |
| Conforms to standard | VDI/VDE 3845 (NAMUR) |
| Short circuit strength | Yes |
| Polarity protected | for set point value |
| | For operating voltage connections |
| Type of display | Backlit LCD |
| Setting options | Via display and buttons |
| Type of process valve characteristic curves | Freely adjustable over 21 support points |
| | Linear, equal-percentage (1:25, 1:33, 1:50) |
| Leakproof characteristics | Adjustable |
| | Automatic |
| Control range adaptation | Adjustable |
| Effective direction | Adjustable |
| | Rising / falling |
| Working pressure | 3 8 bar |
| Setpoint value | 0 - 20 mA |
| | 4 - 20 mA |
| | 0 - 10 V |
| Safety instructions | Safety position: In case of cable break or operating voltage failure, the |
| | regulating action is opening/closing. |
| Operating voltage range DC | 21.6 26.4 V |
| Max. load resistance, current output | 500 Ohm |
| Idle current | 100 300 mA |
| Max. current consumption | 1 A |
| Max. output current | 500 mA |
| Switching level | Signal 0: <= 5 V |
| | Signal 1: ≥ 10 V |
| Size of the dead zone | 0.1 10 % |
| Authorization | RCM Mark |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Protection class | IP65 |
| Medium temperature | -5 60 °C |
| Ambient temperature | -5 60 °C |
| Cable gland connection | M20x1,5 |
| UV resistance | Yes |
| Mounting type | On flange to ISO 5211 |
| | with accessories |
| Product weight | 970 g |
| Pneumatic connection | G1/8 |

FESTO

| Feature | Value |
|----------------------------|---------------------------------|
| Standard nominal flow rate | 50 l/min |
| Materials note | Conforms to RoHS |
| Material housing | PC |
| Material thread piece | High alloy steel, non-corrosive |
| Material seals | NBR |
| Material adapter plate | Aluminum |
| Material plate | Aluminum |
| Material cable connection | PA |
| Storage temperature | -20 60 °C |