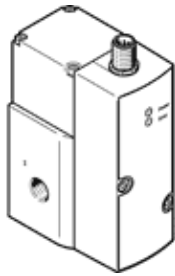


# Proportional pressure regulator VPPX-8L-L-1-G14-0L10H-S1

Part number: 570969

FESTO



## Data sheet

| Feature                                      | Value   |
|--|---|
| Nominal diameter, pressurization             | 8 mm  |
| Nominal diameter, exhaust                    | 7 mm  |
| Type of actuation                            | electrical  |
| Sealing principle                            | soft  |
| Assembly position                            | Any   |
| Design structure                             | Pilot actuated diaphragm regulator                                      |
| Short circuit strength                       | for all electrical connections  |
| Safety instructions                          | Safety position VPPX  |
| Polarity protected                           | for all electrical connections  |
| Type of reset                                | mechanical spring   |
| Type of piloting                             | Piloted   |
| Valve function                               | 3-way proportional-pressure regulator                                   |
| Type of display                              | LED   |
| Pressure regulation range                    | 0.1 ... 10 bar  |
| Inlet pressure 1                             | 0 ... 11 bar  |
| Max. pressure hysteresis                     | 0.05 bar  |
| Standard nominal flow rate                   | 2,750 l/min   |
| Operating voltage range DC                   | 21.6 ... 26.4 V   |
| Max. current consumption                     | 300 mA  |
| Duty cycle                                   | 100 %   |
| Max. electrical power consumption            | 7 W   |
| Residual ripple                              | 10 %  |
| Signal range, analog output                  | 0 - 10 V<br>0 - 20 mA<br>4 - 20 mA                                      |
| Signal range, analog input                   | 0 - 10 V<br>4 - 20 mA<br>0 - 20 mA                                      |
| Operating medium                             | Compressed air in accordance with ISO8573-1:2010 [7:4:4]<br>Inert gases |
| Note on operating and pilot medium           | Lubricated operation not possible                                       |
| Authorization                                | RCM Mark<br>c UL us - Listed (OL)                                       |
| KC mark                                      | KC-EMV  |
| CE symbol (see declaration of conformity)    | according to EU-EMV guideline<br>in accordance with EU RoHS directive   |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                   |
| Certificate issuing department               | UL E322346  |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress   |
| PWIS conformity                              | VDMA24364-B1/B2-L   |
| Medium temperature                           | 10 ... 50 °C  |
| Protection class                             | IP65  |
| Ambient temperature                          | 0 ... 60 °C   |
| Product weight                               | 560 g   |
| Temperature coefficient                      | 0,04 %/K  |

| Feature                      | Value   |
|------------------------------|---|
| FS repetition accuracy       | 0.5 %   |
| Repetition accuracy in ± %FS | 0.5 %FS   |
| Electrical connection        | 8-pin<br>M12<br>Plug                              |
| Mounting type                | with through hole<br>with accessories<br>Optional |
| Pneumatic connection, port 1 | G1/4  |
| Pneumatic connection, port 2 | G1/4  |
| Pneumatic connection, port 3 | G1/4  |
| Materials note               | Conforms to RoHS                                  |
| Material housing             | Wrought Aluminum alloy<br>Anodized                |