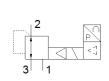
## proportional pressure regulator VPPE-3-1-1/8-6-420-E1 Part number: 557775



## **Data sheet**

| Feature                                 | values  |
|---|---|
| Nominal diameter, pressurisation        | 5 mm  |
| Nominal diameter, exhaust               | 2.5 mm  |
| Type of actuation                       | electrical  |
| Sealing principle                       | soft  |
| Assembly position                       | Any   |
|   | Preferably upright  |
| Design structure                        | Pilot actuated diaphragm regulator                              |
| Short circuit strength                  | for all electrical connections                                  |
| Safety instructions                     | VPPE safety position: If the power supply cable is interrupted, |
|   | output pressure is maintained unregulated.                      |
| 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 display   |
|   | 3-digit   |
| Pressure regulation range               | 0.06 6 bar  |
| Inlet pressure 1                        | 6 8 bar   |
| Max. pressure hysteresis                | 0.03 bar  |
| Standard nominal flow rate              | 800 l/min   |
| Operating voltage range DC              | 21.6 26.4 V   |
| Max. current consumption                | 160 mA  |
| Duty cycle                              | 100%  |
| Max. electrical power consumption       | 4.2 W   |
| Residual ripple                         | 10 %  |
| Switch output                           | PNP   |
| Signal range, analogue output           | 4 - 20 mA   |
| Signal range, analogue input            | 4 - 20 mA   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]        |
|   | Inert gases   |
| Note on operating and pilot medium      | Lubricated operation not possible                               |
| CE mark (see declaration of conformity) | to EU directive for EMC   |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                                   |
| Medium temperature                      | 10 50 °C  |
| Protection class                        | IP65  |
| Ambient temperature                     | 0 60 °C   |
| Authorisation                           | RCM Mark  |
|   | c UL us - Listed (OL)   |
| Product weight                          | 390 g   |
| Linearity error in ± %FS                | 1 %FS   |
| Temperature coefficient                 | 0.04 %/K  |
| Repetition accuracy in ± %FS            | 0.5 %FS   |
| Electrical connection                   | Plug  |
|   | M12   |
|   | 5-pin   |
| Mounting type                           | with through hole   |

**FESTO** 



## FESTO

| Feature                        | values                  |
|--------------------------------|-------------------------|
| Pneumatic connection, port 1   | G1/8                    |
| Pneumatic connection, port 2   | G1/8                    |
| Pneumatic connection, port 3   | G1/8                    |
| Materials note                 | Conforms to RoHS        |
| Materials information, housing | Wrought Aluminium alloy |
|                                | Anodised                |