

Proportional pressure control valve VPPM-12L-L-1-G12-0L10H-A4N-S1

FESTO

Part number: 575232



Data sheet

| Feature | Value |
|--|---|
| Nominal width pressurization | 12 mm |
| Exhaust nominal width | 12 mm |
| Type code | VPPM |
| Actuation type | Electrical |
| Sealing principle | Soft |
| Mounting position | Any |
| Structural design | Pilot-controlled diaphragm regulator |
| Short-circuit protection | For all electrical connections |
| Safety instructions | VPPM safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. |
| Symbol | 00995303 |
| Reverse polarity protection | for all electrical connections |
| Reset method | Mechanical spring |
| Type of control | Pilot-controlled |
| Valve function | 3-way proportional pressure control valve |
| Display type | LED |
| Pressure regulation range | 0.1 bar ... 10 bar |
| Inlet pressure 1 | 0 bar ... 11 bar |
| Max. pressure hysteresis | 0.05 bar |
| Standard nominal flow rate | 7000 l/min |
| DC operating voltage range | 21.6 V ... 26.4 V |
| Max. current consumption | 500 mA |
| Duty cycle | 100% |
| Max. electrical power consumption | 12 W |
| Residual ripple | 10 % |
| Switching output | NPN |
| Analog output signal range | 4 - 20 mA |
| Analog input signal range | 4 - 20 mA |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| KC characters | KC EMC |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |

| Feature | Value |
|-------------------------|--|
| Temperature of medium | 10 °C ... 50 °C |
| Degree of protection | IP65 |
| Ambient temperature | 0 °C ... 60 °C |
| Product weight | 2050 g |
| Linearity error FS | 1 % |
| Temperature coefficient | 0.04 %/K |
| Repetition accuracy FS | 0.5 % |
| Electrical connection | 8-pin M12 Plug |
| Type of mounting | Optionally: With through-hole With accessories |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |
| Pneumatic connection 3 | G1/2 |
| Note on materials | RoHS-compliant |
| Housing material | Wrought aluminum alloy Anodized |