

One-way flow control valve VFOE-LS-T-M5-Q6-F1A

Part number: 8157629

FESTO



Data sheet

| Feature | Value |
|--|--|
| Valve function | Supply air flow control non-return function |
| Pneumatic connection 1 | QS-6 |
| Pneumatic connection 2 | M5 |
| Actuation type | Manual |
| Adjusting element | Rotary knob with detent |
| Type of mounting | Screw-in |
| Standard nominal flow rate in flow control direction | 100 l/min |
| Standard nominal flow rate in non-return direction | 60 l/min...100 l/min |
| Ambient temperature | -10 °C...60 °C |
| Housing material | PBT |
| Explosion prevention and protection | Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Mounting position | Any |
| Width across flats | 9 mm |
| Rotatability | 360 deg/continuous swiveling not permissible |
| Variants | Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Operating pressure for entire temperature range | 0.02 MPa...1 MPa 0.2 bar...10 bar 2.9 psi...145 psi |
| Standard flow rate in flow control direction 6 -> 0 bar | 165 l/min |
| Standard flow rate in non-return direction at 6 -> 0 bar | 150 l/min...180 l/min |

| Feature | Value |
|--|--|
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Suitability for the production of Li-ion batteries | Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 4 according to ISO 14644-1 |
| Temperature of medium | -10 °C...60 °C |
| Max. tightening torque | 2.4 Nm |
| Nominal tightening torque | 2 Nm |
| Tolerance for nominal tightening torque | ± 20% |
| Product weight | 3.3 g |
| Note on materials | RoHS-compliant |
| Cover material | PBT |
| Material of dynamic seals | HNBR |
| Threaded bolt material | Steel, chemically nickel-plated |
| Releasing ring material | PBT |
| Static seal material | NBR |