

# Pneumatic valve VUWG-L10-P53E-M5

FESTO

Part number: 573811



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/3 exhausted  |
| Type of actuation                                     | Pneumatic  |
| Valve size  | 10 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 200 l/min  |
| pneumatic working port                                | M5   |
| Operating pressure                                    | -0.9 bar ... 10 bar  |
| Design  | Piston gate valve  |
| Type of reset   | Mechanical spring  |
| Grid dimension  | 10.5 mm  |
| Exhaust-air function                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | None   |
| Type of piloting                                      | Direct   |
| Flow direction  | Reversible   |
| Symbol  | 00991021   |
| lap   | Indefinite overlap   |
| Pilot pressure  | 3 bar ... 10 bar   |
| Suitability for vacuum                                | yes  |
| Switching time off                                    | 25 ms  |
| Switching time on                                     | 8 ms   |
| Switching time reversal                               | 11 ms  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L  |
| Cleanroom class                                       | Class 5 according to ISO 14644-1   |
| Media temperature                                     | -5 °C ... 50 °C  |
| Pilot medium  | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                                   | -5 °C ... 60 °C  |
| Product weight  | 48 g   |
| Type of mounting                                      | Either:<br>On PR rail<br>With through-hole   |
| Pilot air port 12                                     | M5   |

| <b>Feature</b>               | <b>Value</b>   |
|------------------------------|----------------|
| Pilot air port 14            | M5             |
| Pneumatic connection, port 1 | M5             |
| Pneumatic connection, port 2 | M5             |
| Pneumatic connection, port 3 | M5             |
| Pneumatic connection, port 4 | M5             |
| Pneumatic connection, port 5 | M5             |
| Note on materials            | RoHS-compliant |
| Material seals               | HNBR<br>NBR    |
| Material housing             | Anodised       |