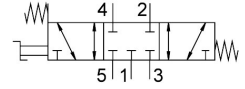


# Selector valve VHEF-ES-P53C-M-N14

Part number: 4414811

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/3, closed                                                        |
| Actuation type                           | Manual                                                             |
| Width                                    | 20 mm                                                              |
| Standard nominal flow rate               | 1200 l/min                                                         |
| Pneumatic working port                   | 1/4 NPT                                                            |
| Operating pressure                       | -0.095 MPa ... 1 MPa                                               |
| Operating pressure                       | -0.95 bar ... 10 bar                                               |
| Structural design                        | Piston gate valve                                                  |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 7 mm                                                               |
| Exhaust air function                     | With flow control option                                           |
| Application note                         | Operate by hand only                                               |
| Sealing principle                        | Soft                                                               |
| Mounting position                        | Any                                                                |
| Type of control                          | Direct                                                             |
| Flow direction                           | Reversible                                                         |
| Symbol                                   | 00995890                                                           |
| Lap                                      | Overlap                                                            |
| Max. switching frequency                 | 0.5 Hz                                                             |
| Explosion prevention and protection      | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Temperature of medium                    | -10 °C ... 60 °C                                                   |
| Ambient temperature                      | -10 °C ... 60 °C                                                   |
| Actuating torque                         | 0.7 Nm                                                             |
| Max. force on actuator                   | 200 N                                                              |
| Max. transverse load on actuator         | 200 N                                                              |
| Product weight                           | 268 g                                                              |
| Type of mounting                         | With through-hole                                                  |
| Pneumatic connection 1                   | 1/4 NPT                                                            |
| Pneumatic connection 2                   | 1/4 NPT                                                            |

| Feature                | Value                            |
|------------------------|----------------------------------|
| Pneumatic connection 3 | 1/4 NPT                          |
| Pneumatic connection 4 | 1/4 NPT                          |
| Pneumatic connection 5 | 1/4 NPT                          |
| Note on materials      | RoHS-compliant                   |
| Cover material         | PA-reinforced                    |
| Seals material         | NBR                              |
| Housing material       | Wrought aluminum alloy, anodized |
| Lever material         | PA-reinforced                    |