

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

Part number: 8080985

FESTO



General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/3, closed  |
| Actuation type                                    | Manual   |
| Width   | 20 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 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  |

| <b>Feature</b>         | <b>Value</b>                     |
|------------------------|----------------------------------|
| 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                    |