

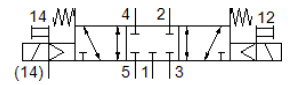
# solenoid valve

## VSVA-B-P53C-ZH-A2-1R2L

Part number: 534788

FESTO

with central plug, round design M8x1.



## Data sheet

| Feature                                   | Value  |
|---|--|
| Valve function                            | 5/3 closed   |
| Type of actuation                         | electrical   |
| Width                                     | 18 mm  |
| Standard nominal flow rate                | 450 l/min  |
| Operating pressure                        | -0.9 ... 10 bar  |
| Design structure                          | Piston slide   |
| Type of reset                             | mechanical spring  |
| Authorisation                             | C-Tick<br>c CSA us (OL)<br>c UL us - Recognized (OL)   |
| CE mark (see declaration of conformity)   | to EU directive for EMC  |
| Protection class                          | IP65   |
| Nominal size                              | 5 mm   |
| Exhaust-air function                      | throttleable   |
| Sealing principle                         | soft   |
| Assembly position                         | Any  |
| Conforms to standard                      | ISO 15407-1<br>VDMA 24563  |
| Manual override                           | Pushing  |
| Type of piloting                          | Piloted  |
| Pilot air supply                          | external   |
| Flow direction                            | reversible   |
| Overlap                                   | Positive overlap   |
| Signal status display                     | LED  |
| Pilot pressure                            | 3 ... 8 bar  |
| Flow rate of valve                        | 650 l/min  |
| Flow rate of valve on individual sub-base | 500 l/min  |
| Flow rate of pneumatically linked valve   | 450 l/min  |
| Switching time off                        | 36 ms  |
| Switching time on                         | 15 ms  |
| Operating voltage range DC                | 21.6 ... 26.4 V  |
| Duty cycle                                | 100 %  |
| Max. positive test pulse with logic 0     | 500 µs   |
| Max. negative test pulse with logic 1     | 500 µs   |
| Characteristic coil data                  | 24 V DC: low-current phase 1 W, high-current phase 2.4 W                                       |
| Operating medium                          | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium        | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                      | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                          | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC   | 2 - Moderate corrosion stress  |
| Medium temperature                        | -5 ... 50 °C   |

| Feature                                | Value   |
|--|---|
| Relative air humidity                  | 0 - 90 %                                      |
| Ambient temperature                    | -5 ... 50 °C                                  |
| Max. tightening torque, valve mounting | 0.9 ... 1.1 Nm                                |
| Product weight                         | 140 g   |
| Electrical connection                  | 4-pin<br>M8x1<br>Central plug<br>Round design |
| Mounting type                          | On sub-base                                   |
| Materials note                         | Conforms to RoHS                              |