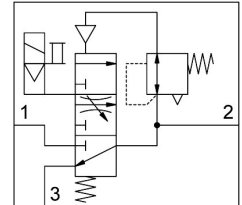


# Soft-start valve MS6-EDE-1/2-V24-F1A-B

Part number: 8176513

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                           | Value                                                                                                                                                    |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                                              | 6                                                                                                                                                        |
| Grid dimension                                                    | 62 mm                                                                                                                                                    |
| Exhaust-air function                                              | Without flow control option                                                                                                                              |
| Type of actuation                                                 | Electric                                                                                                                                                 |
| Mounting position                                                 | optional                                                                                                                                                 |
| Selection of additional functions                                 | With silencer                                                                                                                                            |
| Series                                                            | MS                                                                                                                                                       |
| Manual override                                                   | Detenting<br>Non-detenting                                                                                                                               |
| Design                                                            | Poppet valve, electrically actuated                                                                                                                      |
| Type of reset                                                     | Mechanical spring                                                                                                                                        |
| Type of piloting                                                  | Pilot actuated                                                                                                                                           |
| Pilot air supply                                                  | Internal                                                                                                                                                 |
| Symbol                                                            | 00997398                                                                                                                                                 |
| Valve function                                                    | 3/2-way, closed, monostable                                                                                                                              |
| lap                                                               | Underlap                                                                                                                                                 |
| Switching position indicator                                      | With accessories                                                                                                                                         |
| Operating pressure                                                | 0.3 MPa ... 0.7 MPa                                                                                                                                      |
| Operating pressure                                                | 3 bar ... 7 bar                                                                                                                                          |
| b value                                                           | 0.46                                                                                                                                                     |
| C value                                                           | 23.9 l/sbar                                                                                                                                              |
| Standard nominal flow rate, exhaust 0.6-0 MPa (6-0 bar, 87-0 psi) | 4000 l/min                                                                                                                                               |
| Standard nominal flow rate (standardised to DIN 1343)             | 5000 l/min                                                                                                                                               |
| Switch-on time                                                    | 31 ms                                                                                                                                                    |
| Characteristic coil data                                          | 24 V DC: 2.3 W                                                                                                                                           |
| Permissible voltage fluctuations                                  | +/- 10 %                                                                                                                                                 |
| 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                                    | 1 - Low corrosion stress                                                                                                                                 |
| LABS (PWIS) conformity                                            | VDMA24364-B1/B2-L                                                                                                                                        |
| Suitability for the production of Li-ion batteries                | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni |

| Feature                      | Value                            |
|------------------------------|----------------------------------|
| Cleanroom class              | Class 7 according to ISO 14644-1 |
| Storage temperature          | -10 °C ... 60 °C                 |
| Media temperature            | -5 °C ... 50 °C                  |
| Degree of protection         | IP65                             |
| Ambient temperature          | -5 °C ... 50 °C                  |
| Product weight               | 499 g                            |
| Electrical connection        | Type C<br>To EN 175301-803       |
| Signal status display        | With accessories                 |
| Type of mounting             | Via wall/surface bracket         |
| Pneumatic connection, port 1 | G1/2                             |
| Pneumatic connection, port 2 | G1/2                             |
| Pneumatic connection, port 3 | G1/2                             |
| Note on materials            | RoHS-compliant                   |
| Material seals               | HNBR<br>NBR                      |
| Material housing             | PA-reinforced                    |