

# On/off valve MS6-EM1

Part number: 541279

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                           | Value                                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Structural design                                 | Rotary gate valve                                                                                     |
| Actuation type                                    | Manual                                                                                                |
| Exhaust air function                              | Without flow control option                                                                           |
| Type of control                                   | Direct                                                                                                |
| Valve function                                    | 3/2, bistable                                                                                         |
| Operating pressure                                | 0 bar ... 18 bar                                                                                      |
| Standard nominal flow rate                        | 3000 l/min ... 8700 l/min                                                                             |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas                                            |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                                    |
| Corrosion resistance class (CRC)                  | 2 - Moderate corrosion stress                                                                         |
| Note on materials                                 | RoHS-compliant                                                                                        |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                                                     |
| Temperature of medium                             | -10 °C ... 60 °C                                                                                      |
| Ambient temperature                               | -10 °C ... 60 °C                                                                                      |
| Certification                                     | c UL us - Recognized (OL)                                                                             |
| CE marking (see declaration of conformity)        | as per EU explosion protection directive (ATEX)                                                       |
| UKCA marking (see declaration of conformity)      | acc. to UK EX instructions                                                                            |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)                                                                            |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                 | II 2G                                                                                                 |
| ATEX category for dust                            | II 2D                                                                                                 |
| Type of ignition protection for gas               | Ex h IIC T6 Gb X                                                                                      |
| Type of (ignition) protection for dust            | Ex h IIIC T60°C Db X                                                                                  |
| Explosive ambient temperature                     | -10°C ≤ Ta ≤ +60°C                                                                                    |
| For use in the food industry                      | See supplementary material information                                                                |
| Type of mounting                                  | With accessories                                                                                      |
| Mounting position                                 | Any                                                                                                   |
| Flow direction                                    | Non-reversible                                                                                        |
| Pneumatic connection 3                            | G1/2                                                                                                  |
| Seals material                                    | TPE-U(PU)                                                                                             |

| Feature          | Value             |
|------------------|-------------------|
| Housing material | Die-cast aluminum |