

## Solenoid Valve MCH-3-1/8 - Festo 2199

Item no. FES-2199

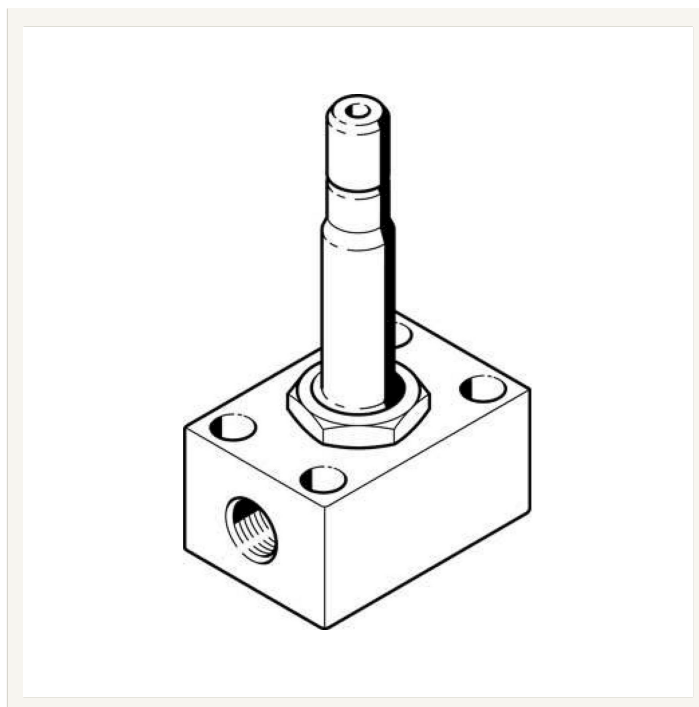
Manufacturer Festo

EAN 4052568000141

Festo valve for fast, reliable control of compressed-air direction and flow.

### TECHNICAL DATA

|                         |          |
|-------------------------|----------|
| Betriebsdruck max [bar] | 7.000000 |
| HS-Code                 | 84812090 |
| Pneumatischer Anschluss | G1/8     |
| Schutzart               | IP65     |
| Weight                  | 0.18 kg  |



### STANDARDS & COMPLIANCE

ISO 8573-1:2010

### DESCRIPTION

Festo valve for fast, reliable control of compressed-air direction and flow. The key technical data of this genuine Festo article are listed below.

|                          |                       |
|--------------------------|-----------------------|
| Valve function           | 3/2 closed monostable |
| Operating pressure [bar] | 0 to 7                |
| Permission               | c CSA us (OL)         |
| Protection category      | IP65                  |
| Pneumatic connection 1   | G1/8                  |
| Pneumatic connection 2   | G1/8                  |
| Pneumatic connection 3   | G1/8                  |
| Material information     | RoHs compliant        |
| Actuation type           | Electrical            |
| Control type             | Direct                |
| Flow direction           | Not reversible        |

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|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Normal nominal flow [l/min] | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Construction set up         | Poppet valve with reset spring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reset mode                  | Mechanical spring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Nominal width [mm]          | 2,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sealing principle           | Soft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hand assist actuation       | Ratcheting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Shifting time off [ms]      | 13,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Shifting time on [ms]       | 12,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power-on time               | 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Coil characteristic value   | 110 V AC: 50/60 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>120 V AC: 60 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>12 V AC: 50 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>200 V AC: 50/60 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>240 V AC: 50 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>24 V AC: 50 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>380 V AC: 50/60 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>42 V AC: 50/60 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>48 V AC: 50 Hz, Anzugsleistung 30 VA, Halteleistung 22 VA<br>110 V DC: 12,7 W<br>12 V DC: 11,7 W<br>220 V DC: 15 W<br>240 V DC: 17,9 W<br>24 V DC: 11 W<br>42 V DC: 12 W<br>96 V DC: 11 W |
| Operating medium            | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Bearing temperature [°C]    | -40 to 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Medium temperature [°C]     | -10 to 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ambient temperature [°C]    | -5 to 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Fastening type              | With throughway bores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |