

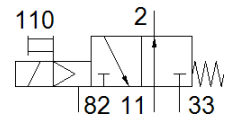
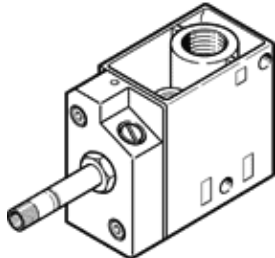
# solenoid valve

## MOFH-3-1/4-EX

Part number: 535904

FESTO

With manual override, without solenoid coil or socket. Solenoid coil and socket should be ordered separately.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Valve function                          | 3/2 open, monostable  |
| Type of actuation                       | electrical  |
| Width                                   | 30.5 mm   |
| Standard nominal flow rate              | 800 l/min   |
| Operating pressure                      | 1.5 ... 8 bar   |
| Design structure                        | Poppet seat   |
| Type of reset                           | mechanical spring   |
| Authorisation                           | c UL us - Recognized (OL)   |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX)                                 |
| ATEX category Gas                       | II 2G   |
| ATEX category Dust                      | II 2D   |
| Explosion ignition protection type Gas  | Ex h IIC T4 Gb  |
| Explosion ignition protection type Dust | Ex h IIIC T130°C Db   |
| Explosion-proof ambient temperature     | -5 °C ≤ Ta ≤ +40 °C   |
| Protection class                        | IP65  |
| Nominal size                            | 7 mm  |
| Grid dimension                          | 32 mm   |
| Exhaust-air function                    | throttleable  |
| Sealing principle                       | soft  |
| Assembly position                       | Any   |
| Manual override                         | detenting   |
| Type of piloting                        | Piloted   |
| Flow direction                          | non reversible  |
| Overlap                                 | Underlap  |
| Switching time off                      | 41 ms   |
| Switching time on                       | 14 ms   |
| Max. positive test pulse with logic 0   | 2,200 µs  |
| Max. negative test pulse with logic 1   | 3,700 µs  |
| Characteristic coil data                | See solenoid coil, to be ordered separately                                 |
| 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) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress  |
| Storage temperature                     | -20 ... 60 °C   |
| Medium temperature                      | -5 ... 40 °C  |
| Ambient temperature                     | -5 ... 40 °C  |
| Product weight                          | 320 g   |
| Electrical connection                   | Via F coil, must be ordered separately                                      |
| Mounting type                           | on manifold rail<br>with through hole<br>Optional                           |
| Scavenging orifice connection           | M5  |
| Pilot exhaust port 82                   | M5  |

| Feature                      | Value              |
|------------------------------|--------------------|
| Pneumatic connection, port 1 | G1/4               |
| Pneumatic connection, 11     | G1/4               |
| Pneumatic connection, port 2 | G1/4               |
| Pneumatic connection, port 3 | G1/4               |
| Pneumatic connection, 33     | G1/4               |
| Materials note               | Conforms to RoHS   |
| Material seals               | NBR                |
| Material housing             | Aluminium die cast |