

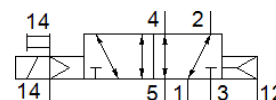
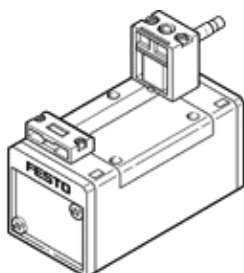
# solenoid valve

## MN1H-5/2-D-1-S-C

Part number: 159686

FESTO

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



## Data sheet

| Feature                               | Value  |
|---------------------------------------|--|
| Valve function                        | 5/2 monostable   |
| Type of actuation                     | electrical   |
| Width                                 | 42 mm  |
| Standard nominal flow rate            | 1,200 l/min  |
| Operating pressure                    | -0.9 ... 16 bar  |
| Design structure                      | Piston slide   |
| Type of reset                         | Air spring   |
| Maritime classification               | see certificate  |
| Protection class                      | IP65   |
| Nominal size                          | 8 mm   |
| Grid dimension                        | 43 mm  |
| Exhaust-air function                  | throttleable   |
| Sealing principle                     | soft   |
| Assembly position                     | Any  |
| Conforms to standard                  | ISO 5599-1   |
| Manual override                       | with accessories, detenting<br>Pushing   |
| ISO code                              | 164  |
| Type of piloting                      | Piloted  |
| Pilot air supply                      | external   |
| Flow direction                        | reversible   |
| Overlap                               | Positive overlap   |
| Pilot pressure                        | 2 ... 10 bar   |
| Switching time off                    | 32 ms  |
| Switching time on                     | 23 ms  |
| Max. positive test pulse with logic 0 | 3,700 µs   |
| Max. negative test pulse with logic 1 | 4,600 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)          |
| Vibration resistance                  | Transport application test with severity level 1 as per 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    |
| PWIS conformity                       | VDMA24364-B1/B2-L  |
| Medium temperature                    | -5 ... 50 °C   |
| Sound pressure level                  | 85 dB(A)   |
| Pilot medium                          | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                             |
| Ambient temperature                   | -5 ... 50 °C   |
| Product weight                        | 450 g  |
| Electrical connection                 | Via N1 coil, to be ordered separately  |
| Mounting type                         | On sub-base  |

| Feature                      | Value                                     |
|------------------------------|---|
|                              | with through hole                         |
| Pilot air port 12            | Connection plate size 1 as per ISO 5599-1 |
| Pilot air port 14            | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 1 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 1 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 1 as per ISO 5599-1 |
| Materials note               | Conforms to RoHS                          |
| Material seals               | HNBR<br>NBR                               |
| Material housing             | Aluminium die cast                        |