

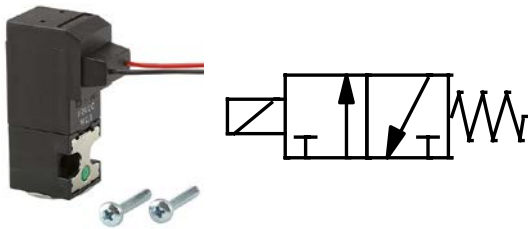
# Miniature solenoid valves

3/2-way type

**PLUS**

Art. No. 106644

Type No. MV 1052.2



Exemplary illustration

Directly controlled 3/2-way solenoid valves specially designed for pneumatic applications. These valves are provided with a flange for assembly on an individual base or multiple manifold base. They feature a monostable manual operator. The scope of supply includes two fixing bolts and a flange gasket. The coils can be turned 180°.

## Technical data

|                                      |                                                 |
|--------------------------------------|-------------------------------------------------|
| Operation                            | electric                                        |
| Type of construction                 | directly controlled                             |
| Function                             | 3/2 NC                                          |
| Version                              | cable (30 cm)                                   |
| Connection                           | flange                                          |
| Voltage                              | 12 V DC                                         |
| Voltage fluctuation max. permissible | -5% / +10%                                      |
| Coil power                           | 2.5 W                                           |
| Lifetime                             | 50 million switching operations                 |
| Protection IP                        | IP 65                                           |
| Pilot air supply                     | no (directly controlled)                        |
| Scope of delivery                    | molded cable, with 2 screws and 1 flange gasket |
| Plate on manual operator             | Silver                                          |
| Opening and closing times            | 10 to 12 ms (depending on pressure)             |
| Switching frequency                  | max. 2400/min                                   |
| Nominal Ø                            | 1.5 mm                                          |
| Flow rate measurement                | flow rate at 6 bar and $\Delta p$ 1 bar         |
| Flow rate                            | 50 NI/min                                       |
| Medium                               | filtered, unlubricated compressed air           |
| Operating pressure                   | 0 - 7 bar                                       |
| Temperature range                    | -10 to 50 °C                                    |
| Material                             | plastic                                         |

## Technical data

|                |                               |
|----------------|-------------------------------|
| Sealant        | FPM                           |
| Manual control | non-latching                  |
| Applications   | For assembly on manifold base |
| Width          | 15.0 mm                       |
| Height         | 42.0 mm                       |

Important: The scope of supply does not include a connector. Please order separately.

## Commercial data

|                         |                 |
|-------------------------|-----------------|
| Customs tariff number   | 84812090        |
| Country of origin       | IT              |
| eCl@ss 5.1.4            | 27220601        |
| eCl@ss 9.0              | 27220601        |
| UNSPSC_Code_v190501     | 40141605        |
| UNSPSC_CodeDesc_v190501 | Solenoid valves |

## Material informations

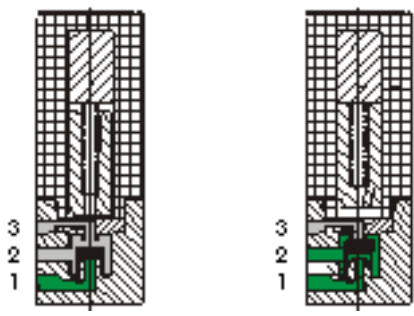
|                       |                            |
|-----------------------|----------------------------|
| RoHS materials notice | RoHS compliant             |
| REACH Info            | no SVHC substance included |

## Materials

| Part                        | Material        |
|-----------------------------|-----------------|
| Body                        | PA              |
| Seals                       | NBR             |
| Manifold base conn. surface | Stainless steel |
| Fastener                    | Aluminium       |
| Manifold base               | Aluminium       |

**Function diagram**

**3/2 NC**

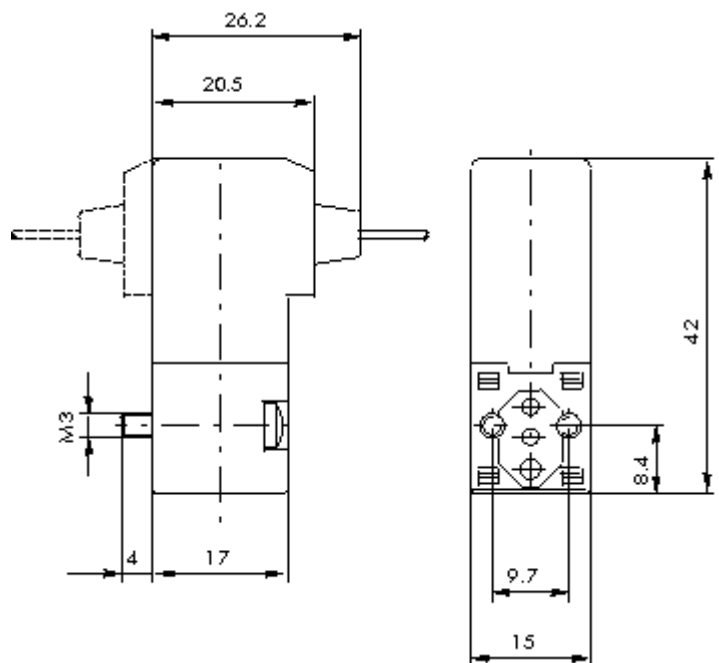


Position 1  
(normal position)      Position 2

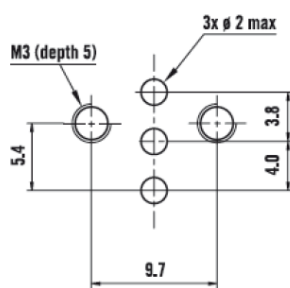
|   |                |
|---|----------------|
| 1 | Pressure input |
| 2 | Application    |
| 3 | Exhaust air    |

## Dimensions

Cable connection



Connection geometry



## Accessories

|                                                             | Art. No. | Type No. |
|-------------------------------------------------------------|----------|----------|
| Series base plate 2-fold, M5 for mini solenoid valve 15 mm  | 106651   | 1099.02  |
| Series base plate 3-fold, M5 for mini solenoid valve 15 mm  | 106652   | 1099.03  |
| Series base plate 4-fold, M5 for mini solenoid valve 15 mm  | 106653   | 1099.04  |
| Series base plate 5-fold, M5 for mini solenoid valve 15 mm  | 106654   | 1099.05  |
| Series base plate 6-fold, M5 for mini solenoid valve 15 mm  | 106655   | 1099.06  |
| Series base plate 7-fold, M5 for mini solenoid valve 15 mm  | 106656   | 1099.07  |
| Series base plate 8-fold, M5 for mini solenoid valve 15 mm  | 106657   | 1099.08  |
| Series base plate 9-fold, M5 for mini solenoid valve 15 mm  | 106658   | 1099.09  |
| Series base plate 10-fold, M5 for mini solenoid valve 15 mm | 106659   | 1099.10  |

## Accessories

|                                                                         | Art. No. | Type No. |
|-------------------------------------------------------------------------|----------|----------|
| Equipment plug for mini solenoid valve 15 mm, PG 9 C shape, DIN 43650 C | 106660   | 1051.300 |