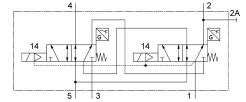
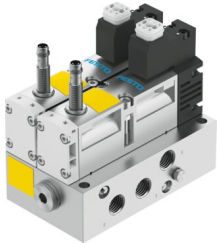


# Control block VOFA-L26-T52-M-G14-1C1-APP

Part number: 569819

**FESTO**



## Data sheet

| Feature                                           | Value                                                                             |
|---------------------------------------------------|-----------------------------------------------------------------------------------|
| Valve function                                    | 5/2-way, monostable                                                               |
| Actuation type                                    | Electrical                                                                        |
| Width                                             | 65 mm                                                                             |
| Normal nominal flow rate (normalized to DIN 1343) | 950 l/min                                                                         |
| Pneumatic working port                            | G1/4                                                                              |
| Operating voltage                                 | 24V DC                                                                            |
| Operating pressure                                | 0.3 MPa...1 MPa<br>3 bar...10 bar<br>43.5 psi...145 psi                           |
| Structural design                                 | Piston gate valve                                                                 |
| Reset method                                      | Mechanical spring                                                                 |
| Degree of protection                              | IP65<br>NEMA 4                                                                    |
| Certification                                     | c UL us - recognized (OL)                                                         |
| KC characters                                     | KC-EMV                                                                            |
| CE marking (see declaration of conformity)        | As per EU EMC directive<br>as per EU machinery directive                          |
| UKCA marking (see declaration of conformity)      | To UK instructions for EMC<br>To UK instructions for machines                     |
| Certificate issuing authority                     | UL MH19482                                                                        |
| Exhaust air function                              | Adjustable                                                                        |
| Sealing principle                                 | Soft                                                                              |
| Mounting position                                 | Any                                                                               |
| Conforms to standard                              | EN 60947-5-2                                                                      |
| Manual override                                   | None                                                                              |
| Type of control                                   | Piloted                                                                           |
| Pilot air supply port                             | Internal                                                                          |
| Flow direction                                    | Non-reversible                                                                    |
| Measuring principle                               | Inductive                                                                         |
| Lap                                               | Positive overlap                                                                  |
| Sensor reverse polarity protection                | For all electrical connections                                                    |
| Safety function                                   | Tamper protection, protection against unexpected start-up<br>Reversing a movement |

| Feature                                        | Value                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance Level (PL)                         | Protection against manipulation, protection against unexpected start-up/up to category 4, performance level e<br>Reversing a movement/up to category 4, performance level e |
| Note on forced dynamization                    | Switching frequency at least once a week                                                                                                                                    |
| Signal status display                          | With accessories                                                                                                                                                            |
| Switching position sensing                     | Normal position with sensor                                                                                                                                                 |
| Sensor switching status indication             | LED                                                                                                                                                                         |
| Pilot pressure MPa                             | 0.3 MPa...1 MPa                                                                                                                                                             |
| Pilot pressure                                 | 3 bar...10 bar                                                                                                                                                              |
| Switching time off                             | 56 ms                                                                                                                                                                       |
| On switching time                              | 22 ms                                                                                                                                                                       |
| Pneumatic valve - sensor ON switching time     | 60 ms                                                                                                                                                                       |
| Pneumatic valve - sensor switching time off    | 11 ms                                                                                                                                                                       |
| Duty cycle                                     | 100%                                                                                                                                                                        |
| Max. positive test pulse with 0 signal         | 1000 µs                                                                                                                                                                     |
| Max. negative test pulse on 1 signal           | 800 µs                                                                                                                                                                      |
| Switching output                               | PNP                                                                                                                                                                         |
| Coil characteristics                           | 24 V DC: 1.8 W                                                                                                                                                              |
| Permissible voltage fluctuations               | -15% / +10%                                                                                                                                                                 |
| Operating medium                               | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                                               |
| Information on operating and pilot media       | Operation with oil lubrication possible (required for further use)                                                                                                          |
| Vibration resistance                           | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6                                                                                        |
| Shock resistance                               | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                                                                                                       |
| Corrosion resistance class (CRC)               | 0 - No corrosion stress                                                                                                                                                     |
| LABS (PWIS) conformity                         | VDMA24364-B1/B2-L                                                                                                                                                           |
| Max. magnetic interference field               | 60 mT                                                                                                                                                                       |
| Temperature of medium                          | -5 °C...50 °C                                                                                                                                                               |
| Noise level                                    | 85 dB(A)                                                                                                                                                                    |
| Protection against direct and indirect contact | PELV<br>Protection class as per EN 60950/IEC 950                                                                                                                            |
| Pilot medium                                   | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                                               |
| Ambient temperature                            | -5 °C...50 °C                                                                                                                                                               |
| Nominal altitude of use above sea level        | 1000 m according to VDE 0580                                                                                                                                                |
| Product weight                                 | 1138 g                                                                                                                                                                      |
| DC sensor operating voltage range              | 10 V...30 V                                                                                                                                                                 |
| Sensor short circuit protection                | Pulsed                                                                                                                                                                      |
| Sensor idle current                            | 10 mA                                                                                                                                                                       |
| Max. output current, sensor                    | 200 mA                                                                                                                                                                      |
| Sensor max. switching frequency                | 5000 Hz                                                                                                                                                                     |
| Sensor residual ripple                         | ±10%                                                                                                                                                                        |
| Sensor voltage drop                            | 2 V                                                                                                                                                                         |
| Electrical connection                          | Type C<br>As per EN 175301-803<br>Without PE conductor                                                                                                                      |
| Sensor connection                              | Plug<br>3-pin<br>M8x1                                                                                                                                                       |
| Type of mounting                               | With through-hole                                                                                                                                                           |
| Pressure gauge connection                      | G1/4                                                                                                                                                                        |
| Pneumatic connection 1                         | G1/4                                                                                                                                                                        |
| Pneumatic connection 2                         | G1/4                                                                                                                                                                        |
| Pneumatic connection 3                         | G1/4                                                                                                                                                                        |
| Pneumatic connection 4                         | G1/4                                                                                                                                                                        |
| Pneumatic connection 5                         | G1/4                                                                                                                                                                        |

| Feature                    | Value                   |
|----------------------------|-------------------------|
| Note on materials          | RoHS compliant          |
| Seals material             | FPM<br>HNBR<br>NBR      |
| Housing material           | Die-cast aluminum<br>PA |
| Material of screws         | Galvanized steel        |
| Switching element function | NC contact              |