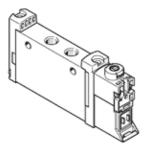
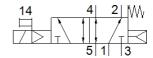
## Solenoid valve VUVG-L10-M52-RT-M7-1P3 Part number: 566474







## **Data sheet**

| Working pressure   2.5 8 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Feature                                    | Value                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
| Valve size  10 mm  Standard nominal flow rate  25 à bar  Design structure  Piston slide  Type of reset  Authorization  RCM Mark  C CSA us (01)  CUL us - Recognized (OL)  Nominal size  A mm  Ethaust-air function  Sealing principle  Sealing principle  Assembly position  Manual override  detenting  Pilot as bar  Suitability for vacuum  No  Switching time on  Duty cycle  Max. negative test pulse with logic 1  Operating medium  Compressible voltage fluctuation  Vibration resistance  Shock resistance  Feel suitability for server in every level 2 in accordance with FN 942017-5 and EN 60068-2-27  Restriction ambient and medium temperature  Suitability for cross in stress  Suitability or cross in servers  Si 60 °C  Withould resure the servers  1. S 60 °C  Medium temperature  S 60 °C  Mith plus prises are  2. Mars pagitive test servers  Piston air accordance with FN 942017-5 and EN 60068-2.0  Medium temperature  S 60 °C  Medium temperature  S 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Valve function                             | 5/2 monostable                                                   |
| Standard nominal flow rate Working pressure 2.5 8 bar  Posign structure Piston slide Type of reset Reference Air spring Protection class P     | Type of actuation                          | electrical                                                       |
| Working pressure   2.5 8 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Valve size                                 | 10 mm                                                            |
| Design structure Type of reset  Inchanical spring Air spring Protection class IP40 IP65 With plug socket  Authorization RCM Mark CSA us (OL) CUL us - Recognized (OL) Authorization  Nominal size A mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override detenting Pushing Covered Type of piloting Pilot air supply Internal Pilot pressure 2.5 8 bar Suitability for vacuum No Switching time on Duty cycle 100% Max. positive test pulse with logic 1 900 µs Max. positive test pulse with logic 1 900 µs Max. positive test pulse with logic 1 900 µs Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium University and EN 60068-2-27 Restriction ambient and medium temperature Feed or Corces Ambient temperature S 60° °C                                                                                                                                                                                                                                                                                                                                                                                            | Standard nominal flow rate                 | 330 l/min                                                        |
| Type of reset Air spring Air spring Protection class    P40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Working pressure                           | 2.5 8 bar                                                        |
| Protection class IP40 IP60 with plug socket with plug socket with plug socket Authorization RCM Mark c CSA us (OL) c Ut us - Recognized (OL) Nominal size 4 mm Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Covered Pushing Covered Pilot air supply Internal Pilot pressure 2.5 8 bar Sultability for vacuum No Switching time off 19 ms Duty cycle 100% Max. positive test pulse with logic 0 700 µs Max. positive test pulse with logic 1 900 µs Max. pastive test pulse with logic 1 900 µs Max. pastive test pulse with logic 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 900 µs Max. positive test pulse with logic 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                                                                                                                                                     | Design structure                           | Piston slide                                                     |
| Protection class    P40   P65   With plug socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Type of reset                              | mechanical spring                                                |
| IP65   with plug socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | Air spring                                                       |
| Authorization       RCM Mark c CSA us (OL) c CUL us - Recognized (OL)         Nominal size       4 mm         Exhaust-air function       throttleable         Sealing principle       soft         Assembly position       Any         Manual override       detenting Pushing Covered         Type of piloting       Piloted         Pilot air supply       Internal         Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time off       27 ms         Duty cycle       100%         Max. negative test pulse with logic 0       700 µs         Max. negative test pulse with logic 1       900 µs         Characteristic coil data       24 V DC: 1 W         Aux. negative test pulse with logic 1       900 µs         Characteristic coil data       24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       4/ 10 %         Operating medium       Compressed air in accordance with ISO8573-1:2010 [7:4:4]         Not on operating and pilot medium       Lubricated operation possible (subsequently required for further operation)         Vibration resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 <td>Protection class</td> <td>IP40</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Protection class                           | IP40                                                             |
| Authorization C CSA us (OL) c UL us - Recognized (OL)  Nominal size 4 mm  Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Covered  Type of piloting Pilot air supply Internal Pilot pressure 2.5 8 bar Suitability for vacuum No Switching time off 19 ms Switching time off 19 ms Switching time of 7 ms Duty cycle 100% Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Max. negative test pulse with logic 1 900 µs  Max. negative test pulse with logic 1 900 µs  Max. negative test pulse with logic 1 100% Max. negative test      |                                            | IP65                                                             |
| c CSA us (OL) c UL us - Recognized (OL)  Nominal size  Exhaust-air function throttleable  Sealing principle soft Assembly position Any  Manual override detenting Pushing Covered  Type of piloting Piloted Pilot air supply Internal Pilot pressure 2.5 8 bar  Suitability for vacuum No Switching time on 7 ms  Suitching time on 7 ms  Duty cycle 100%  Max. positive test pulse with logic 0 700 µs  Max. positive test pulse with logic 1 900 ys  Characteristic coil data 24 V DC: 1 W  24 V DC: 1 W  26 V DC: 1 W  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating medium  Note on operating and pilot medium being and EN desirable (Subsequently required for further operation)  Restriction ambient and medium temperature 5 60 °C  Ambient temperature 4 .5 60 °C  Ambient temperature  Ambient temperature  Ambient temperature  5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            | with plug socket                                                 |
| c UL us - Recognized (OL)  Nominal size Exhaust-air function Sealing principle Sealing principle Assembly position Any Manual override  Manual override  Method  Type of piloting Pilot air supply Pilot air supply Pilot air supply Pilot air supply Pilot pressure 2.5 8 bar  Suitching time off 19 ms Switching time off 19 ms Switching time off 100% Max. positive test pulse with logic 0 Max. positive test pulse with logic 1  Characteristic coil data Ay V DC: 1 W 24 V DC: 1 w 25 V DC: 1 w 26 V DC: 1 w 26 V DC: 1 w 27 V DC: 1 w 28 V DC: 1 w 29 V DC: 1 w 29 V DC: 1 w 20 V DC:     | Authorization                              |                                                                  |
| Nominal size Exhaust-air function Exhaust-air function Sealing principle Assembly position Any Manual override |                                            | c CSA us (OL)                                                    |
| Exhaust-air function throttleable soft soft Any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            | c UL us - Recognized (OL)                                        |
| Sealing principle Assembly position Any Manual override  detenting Pushing Covered  Type of piloting Pilot air supply Pilot pressure 2.5 8 bar Suitability for vacuum No Switching time off Switching time on Duty cycle Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Operating suplice with logic 1 Operating medium Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Corrosion resistance classification CRC Ambient temperature Anbient temperature Application Any detenting detenting detenting detenting detenting detenting Pushing Covered Piloted Pilot     | Nominal size                               | 4 mm                                                             |
| Assembly position  Manual override  Manual override  Manual override  Manual override  Manual override  Description  Type of piloting  Piloted  Piloted  Piloted  Piloted  Piloted  Pilot are supply  Internal  Pilot pressure  2.5 8 bar  Suitching time off  19 ms  Switching time on  7 ms  Duty cycle  100%  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1W  24 V DC: 1W  24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  4/- 10 %  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Unbricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Corrosion resistance classification CRC  Ambient temperature  -5 60 °C  Ambient temperature  -5 60 °C  Ambient temperature  -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Exhaust-air function                       | throttleable                                                     |
| Assembly position  Manual override  Manual override  Manual override  Manual override  Manual override  Description  Type of piloting  Piloted  Piloted  Piloted  Piloted  Piloted  Pilot are supply  Internal  Pilot pressure  2.5 8 bar  Suitching time off  19 ms  Switching time on  7 ms  Duty cycle  100%  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1W  24 V DC: 1W  24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  4/- 10 %  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Unbricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Corrosion resistance classification CRC  Ambient temperature  -5 60 °C  Ambient temperature  -5 60 °C  Ambient temperature  -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sealing principle                          | soft                                                             |
| Manual override       detenting Pushing Covered         Type of piloting       Piloted         Pilot air supply       Internal         Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       4/- 10 %         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 at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6         Restriction ambient and medium temperature       -5 - 50 °C         Kedium temperature       -5 - 60 °C         Ambient temperature       -560 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | Any                                                              |
| Pushing Covered  Type of piloting Piloted  Pilot air supply Internal  Pilot pressure 2.5 8 bar  Suitability for vacuum No Switching time off 19 ms  Switching time on 7 ms  Duty cycle 100%  Max. positive test pulse with logic 0 700 µs  Max. negative test pulse with logic 1 900 µs  Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation 4/- 10 %  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 at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Restriction ambient and medium temperature -5 - 50 °C Without holding current reduction  Ambient temperature -5 60 °C  Ambient temperature -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                                                                  |
| Type of piloting       Piloted         Pilot air supply       Internal         Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         24 V DC: 1 W       24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       +/- 10 %         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 at severity level 2 in accordance with 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         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                                                                  |
| Type of piloting       Piloted         Pilot air supply       Internal         Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         24 V DC: 1 W       24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       +/- 10 %         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 at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                                                                  |
| Pilot air supply       Internal         Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         Permissible voltage fluctuation       +/- 10 %         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 at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Type of piloting                           |                                                                  |
| Pilot pressure       2.5 8 bar         Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       4/- 10 %         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 at severity level 2 in accordance with 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         Restriction ambient and medium temperature       -5 - 5 o ° C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 ° C         Ambient temperature       -5 60 ° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | Internal                                                         |
| Suitability for vacuum       No         Switching time off       19 ms         Switching time on       7 ms         Duty cycle       100%         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         4 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       +/- 10 %         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 at severity level 2 in accordance with 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         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            | 2.5 8 bar                                                        |
| Switching time off Switching time on 7 ms  Duty cycle 100%  Max. positive test pulse with logic 0 700 µs  Max. negative test pulse with logic 1 900 µs  Characteristic coil data 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation 7 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 at severity level 2 in accordance with 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  Restriction ambient and medium temperature 60068-2-27  Restriction resistance classification CRC 2 Moderate corrosion stress  Medium temperature 5 60 °C Ambient temperature 5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ,                                          | No                                                               |
| Switching time on 7 ms  Duty cycle 100%  Max. positive test pulse with logic 0 700 µs  Max. negative test pulse with logic 1 900 µs  Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation +/- 10 %  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 at severity level 2 in accordance with 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  Restriction ambient and medium temperature 5-5-50°C Without holding current reduction  Corrosion resistance classification CRC 2 - Moderate corrosion stress  Medium temperature -560°C  Ambient temperature -560°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            | 19 ms                                                            |
| Duty cycle100%Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Restriction ambient and medium temperature-5 - 50 °C<br>Without holding current reductionCorrosion resistance classification CRC2 - Moderate corrosion stressMedium temperature-5 60 °CAmbient temperature-5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | 7 ms                                                             |
| Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Restriction ambient and medium temperature-5 - 50 °C<br>Without holding current reductionCorrosion resistance classification CRC2 - Moderate corrosion stressMedium temperature-5 60 °CAmbient temperature-5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            | 100%                                                             |
| Max. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Restriction ambient and medium temperature-5 - 50 °C<br>Without holding current reductionCorrosion resistance classification CRC2 - Moderate corrosion stressMedium temperature-5 60 °CAmbient temperature-5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            | 700 μs                                                           |
| Characteristic coil data  24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  +/- 10 %  Compressed air in accordance with IS08573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with 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  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 900 µs                                                           |
| Permissible voltage fluctuation +/- 10 %  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 at severity level 2 in accordance with 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  Restriction ambient and medium temperature -5 · 5 ° ° C  Without holding current reduction  Corrosion resistance classification CRC 2 · Moderate corrosion stress  Medium temperature -5 · 60 ° C  Ambient temperature -5 · 60 ° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ·                                          | 24 V DC: 1 W                                                     |
| Permissible voltage fluctuation +/- 10 %  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 at severity level 2 in accordance with 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  Restriction ambient and medium temperature -5 · 5 ° ° C  Without holding current reduction  Corrosion resistance classification CRC 2 · Moderate corrosion stress  Medium temperature -5 · 60 ° C  Ambient temperature -5 · 60 ° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            | 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W       |
| 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 at severity level 2 in accordance with 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  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Permissible voltage fluctuation            |                                                                  |
| operation)  Vibration resistance  Transport application test at severity level 2 in accordance with 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  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]         |
| 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  Restriction ambient and medium temperature -5 - 50 °C Without holding current reduction  Corrosion resistance classification CRC 2 - Moderate corrosion stress  Medium temperature -5 60 °C  Ambient temperature -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            | Lubricated operation possible (subsequently required for further |
| Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Vibration resistance                       |                                                                  |
| Without holding current reduction  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature -5 60 °C  Ambient temperature -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Shock resistance                           |                                                                  |
| Corrosion resistance classification CRC     2 - Moderate corrosion stress       Medium temperature     -5 60 °C       Ambient temperature     -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Restriction ambient and medium temperature |                                                                  |
| Medium temperature-5 60 °CAmbient temperature-5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Corrosion resistance classification CRC    |                                                                  |
| Ambient temperature -5 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                                                                  |
| ' '                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                                                  |
| 1412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Product weight                             | 45 g                                                             |



| Feature                      | Value                           |
|------------------------------|---------------------------------|
| Electrical connection        | Via electrical connection plate |
| Mounting type                | Optional                        |
|                              | on manifold rail                |
|                              | with through hole               |
| Pneumatic connection, port 1 | M7                              |
| Pneumatic connection, port 2 | M7                              |
| Pneumatic connection, port 3 | M7                              |
| Pneumatic connection, port 4 | M7                              |
| Pneumatic connection, port 5 | M7                              |
| Materials note               | Conforms to RoHS                |
| Material seals               | HNBR                            |
|                              | NBR                             |
| Material housing             | Wrought Aluminum alloy          |