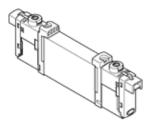
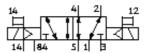
## solenoid valve **VUVG-B10-B52-ZT-F-1H2L-W1**Part number: 578169

**FESTO** 

This type is suitable for vacuum.





## **Data sheet**

Type of actuation electrical  Valve size 10 mm  Standard nominal flow rate 210 330 l/min  Operating pressure MPa 0.09 1 MPa  Operating pressure MPa 0.09 1 MPa  Design Structure Piston slide Authorisation RCM Mark  CUL us - Recognized (OL)  Protection class IPAO with plug socket  Nominal size 4 mm  Exhaust-air function throttleable  Sealing principle soft Assembly position Any  Manual override detenting  Plushing  Covered  Type of piloting Piloted  Type of piloting Piloted  Pilot air supply external  Overlap Positive overlap  Pilot pressure MPa 0.15 8 bar  Suitability for vacuum  Yes  Switching time reversal 7 ms  Suitability for vacuum  Max. negative test pulse with logic 0 700 µs  Max. negative test pulse with logic 1 900 µs  Axs. negative test pulse with logic 1 900 µs  Axx. negative test pulse with logic 1 900 µs  Characteristic coil data 24 V DC: 1 W  Permissible voltage fluctuation Compressed air in accordance with FN 942017-5 and EN  Restriction ambient and medium temperature Without holding current reduction  Shock resistance 5 Noke Set with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium temperature Without holding current reduction  Shock resistance 5 Noke Set with ISO8573-1:2010 [7:4:4]  Wold Max (Domina) (	Feature	Value
Valve size Standard nominal flow rate 210 330 I/min Operating pressure MPa 0.09 10 bar Design structure Piston slide Authorisation RCM Mark cUL us - Recognized (OL) Protection class IP40 with plug socket Nominal size 4 mm Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Covered Plioto air supply Positive overlap Pliot air supply Pliot air supply Overlap Pliot pressure MPa 1.5 8 bar Suitability for vacuum Yes Suitability for vacuum Xes Suitability for vacuum Xes Suitability for vacuum Xes Suitability for vacuum Xes Max. positive test pulse with logic 0 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 1 900 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 1 900 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 1 900 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 1 900 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 1 900 µs Max. negative test pulse with logic 1 900 µs Max. negative test pulse with logic 1 900 µs Max. positive test pulse with logic 1 900 µs Max. positive test pulse with logic 2 900 µs Max. positive test pulse with logic 3 1-1-10 % Max. positive test pulse with logic 1 900 µs Max. positive test pulse with logic 2 1-1-10 % Max. positive 1 1-10 % M	Valve function	5/2 bistable
Standard nominal flow rate 210 330 l/min Operating pressure MPa 0.09 1 MPa Operating pressure MPa 0.99 10 bar Design structure Piston slide Authorisation RCM Mark c.U. u.s - Recognized (0L) Protection class IP40 Nominal size 4 mm Ethaust-air function through through through the protection of through the protection of through thr	Type of actuation	electrical
Operating pressure MPa Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Piston slide Authorisation RCM Mark CUL us - Recognized (OL) Protection class IP40 with plug socket Nominal size A	Valve size	10 mm
Operating pressure         9.910 bar           Design structure         Piston silide           Authorisation         RCM Mark           CUL us - Recognized (OL)           Protection class         IP40           With plug socket           Nominal size         4 mm           Exhaust-air function         thrortleable           Sealing principle         soft           Assembly position         Any           Manual override         detenting           Pushing         Covered           Type of piloting         Piloted           Pilot air supply         external           Overlap         Positive overlap           Pilot pressure         1.5 8 bar           Suitability for vacuum         Yes           Switching time reversal         7 ms           Duty cycle         100 %           Max. positive test pulse with logic 0         700 µs           Max. positive test pulse with logic 1         900 µs           Characteristic coil data         24 ¼ VBC: 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         Eubricated operation	Standard nominal flow rate	210 330 l/min
Operating pressure	Operating pressure MPa	-0.09 1 MPa
Authorisation RCM Mark c UL us - Recognized (OL) Protection class IP40 With plug socket  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 external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 1.5 8 bar Suitability for vacuum Switching time reversal 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 Permissible voltage fluctuation 4/- 10 °C Operating medium Compressed air in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress With medium temperature Shock compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Wolland Test and FN 942017-5 and EN 60068-2-27 Corrosion resistance air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Corrosion resistance with ISO8573-1:2010 [7:4:4]	Operating pressure	-0.9 10 bar
c UL us - Recognized (OL)  Protection class	Design structure	Piston slide
Protection class IP40 with plug socket  Nominal size 4 mm  Exhaust-air function throttleable  Sealing principle soft Any  Manual override detenting Pushing Covered  Type of piloting Piloted  Pilot air supply external Overlap Positive overlap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure 1.5 8 bar Suitability for vacuum Yes Switching time reversal 7 ms Duty cycle 100 %  Max. positive test pulse with logic 0 700 µs  Max. negative test pulse with logic 1 990 µs  Characteristic coil data 24 VDC: 1 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 before the substitute of the severity level 2 in accordance with FN 9/2017-4 and EN 60068-2-6  Shock resistance Shock resistance  Shock resistance Classification CRC  PIMS conformity  VDMA24364-B1/B2-L  Medium temperature  Find medium temperature  Positive overlap Positive o	Authorisation	RCM Mark
with plug socket  Nominal size 4 mm  Exhaust air function 5ealing principle Sealing principle Assembly position Any  Manual override  detenting Pushing Covered  Type of piloting Pilot air supply Pilot air supply Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time reversal Tyms Switching time reversal Tyms Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Doys Again test pulse with logic 1 Deratings be voltage fluctuation Permissible voltage fluctuation Permissible voltage fluctuation Uprating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Restriction ambient and medium temperature Without modeling in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance Shock resistance classification CRC 2 - Moderate corrosion stress VDMAEAUMEDUTE - Compressed air in accordance with ISO8573-1:2010 [7:4:4] PWIS conformity VDMA24364-B1/B2-L Medium temperature Filot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] PMS conformity VDMA24364-B1/B2-L Medium temperature Filot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Filot medium temperature Filot medium		c UL us - Recognized (OL)
Nominal size	Protection class	IP40
Exhaust-air function throttleable soft sealing principle soft sessembly position Any detenting Pushing Covered Pilot air supply external Positive overlap Positive overlap Positive overlap Pilot pressure MPa O.15 0.8 MPa Pilot pressure 1.5 8 bar Suitability for vacuum Yes Switching time reversal 7 ms Duty cycle 100 % Max. positive test pulse with logic 0 700 µs Max. positive test pulse with logic 1 900 µs Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive test pulse with logic 1 100 % Max. positive pulse logic 1 100 % Max. positive pulse logic 1 100 %		with plug socket
Sealing principle Assembly position Anny Manual override  Manual override  Manual override  Manual override  Manual override  Pubshing Covered  Type of piloting Pilot air supply  Overlap Positive overlap Pilot pressure MPa  1.5 8 MPa  Pilot pressure 1.5 8 bar  Suitability for vacuum Yes Switching time reversal 7 ms Dutry cycle 100 % Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 900 µs  Characteristic coil data 24 V DC: 1 W  Permissible voltage fluctuation 1/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature Without holding current reduction -5 - 50 °C  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 60 °C PUIS to medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]  VDMA24364-B1/B2-L Medium temperature Finance of the medium of the corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature Finance of the medium of the corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature Finance of the medium of the corrosion stress Finance of the medium of the medium of the corrosion stress Finance of the medium of the mediu	Nominal size	4 mm
Assembly position  Manual override  Manual override  Metenting Pushing Covered  Type of piloting  Pilot air supply  external Overlap  Positive overlap  Positive overlap  Pilot pressure MPa  1.5 8 bar  Suitability for vacuum  Yes  Switching time reversal  7 ms  Duty cycle  100 %  Max. positive test pulse with logic 0  Max. positive test pulse with logic 1  Operating medium  Compressible voltage fluctuation  4/- 10 %  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uibrication resistance  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Soluto medium  Compressed air in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  VDMA24364-81/B2-L  Medium temperature  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  WDMA24364-81/B2-L  Pilot medium temperature  Annual external  detenting Push application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  VDMA24364-81/B2-L  Medium temperature  Pilot medium temperature  Annual external  Positive overlap Pilot medium temperature	Exhaust-air function	throttleable
Manual override Pushing Covered  Type of piloting Piloted Pilot air supply Pilot air supply Positive overlap Pilot pressure MPa Pilot pressure 1.58 MPa Pilot pressure 1.58 bar  Suitability for vacuum Yes Switching time reversal Tom Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Permissible voltage fluctuation 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 Shock sest with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress VDMA24364-81/B2-L Medium temperature Vibration medium Pushing Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress VDMA24364-81/B2-L Medium temperature Figure 4	Sealing principle	soft
Pushing Covered Type of piloting Pilot air supply Pilot air supply Positive overlap Pilot pressure MPa Pilot pressure Pilot medium Positive overlap Pilot medium temperature Positive overlap	Assembly position	Any
Covered Type of piloting Pilot air supply external Overlap Positive overlap Positive overlap Pilot pressure MPa Pilot pressure 1.5 8 bar Suitability for vacuum Yes Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 Max. ngative test pulse with logic 1 Operating the cutotical data Permissible voltage fluctuation Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Restriction ambient and medium temperature Without holding current reduction -5 - 50 °C Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity Widelium temperature Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]  What severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Medium temperature Filot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Manual override	detenting
Type of piloting       Piloted         Pilot air supply       external         Overlap       Positive overlap         Pilot pressure MPa       0.15 0.8 MPa         Pilot pressure       1.5 8 bar         Suitability for vacuum       Yes         Switching time reversal       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 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       Without holding current reduction -5-50 °C         Shock resistance classification CRC       2 - Moderate corrosion stress         PWIS conformity       VDMA24364-B1/B2-L         Medium temperature       5 60 °C         Pilot medium       Compressed air in accordance with ISO8573-1:2010 [7:4:4]		Pushing
Pilot air supply Overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Pilot pressure MPa 1.5 8 MPa Pilot pressure 1.5 8 bar Suitability for vacuum Yes Switching time reversal 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 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubircated 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 Restriction ambient and medium temperature Without holding current reduction -5 - 50 °C Shock resistance Cassification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 - 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4]		Covered
Overlap       Positive overlap         Pilot pressure       0.15 0.8 MPa         Pilot pressure       1.5 8 bar         Suitability for vacuum       Yes         Switching time reversal       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       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         Restriction ambient and medium temperature       Without holding current reduction -5 - 50 °C         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27         Corrosion resistance classification CRC       2 - Moderate corrosion stress         PWIS conformity       VDMA24364-B1/B2-L         Medium temperature       -5 60 °C         Pilot medium       Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Type of piloting	Piloted
Pilot pressure MPa  0.15 0.8 MPa  Pilot pressure  1.5 8 bar  Suitability for vacuum  Yes  Switching time reversal  7 ms  Duty cycle  100 %  Max. positive test pulse with logic 0  700 μs  Max. negative test pulse with logic 1  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with IS08573-1:2010 [7:4:4]  Note on operating and pilot medium  Ubricated 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  Restriction ambient and medium temperature  Without holding current reduction  -5 - 50 °C  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  Filot medium  Compressed air in accordance with IS08573-1:2010 [7:4:4]	Pilot air supply	external
Pilot pressure       1.5 8 bar         Suitability for vacuum       Yes         Switching time reversal       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 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       Without holding current reduction -5 - 50 °C         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27         Corrosion resistance classification CRC       2 - Moderate corrosion stress         PWIS conformity       VDMA24364-B1/B2-L         Medium temperature       -5 60 °C         Pilot medium       Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Overlap	Positive overlap
Suitability for vacuum  Switching time reversal  T ms  Duty cycle  100 %  Max. positive test pulse with logic 0  Max. positive test pulse with logic 1  Characteristic coil data  24 V DC: 1 W  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Shock resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  Filot medium  Yes  7 ms  7 ms  7 ms  700 µs  70	Pilot pressure MPa	0.15 0.8 MPa
Switching time reversal  Duty cycle  100 %  Max. positive test pulse with logic 0  700 µs  Max. negative test pulse with logic 1  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  Without holding current reduction  -5 - 50 °C  Shock resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  Medium temperature  7 ms  700 µs  700	Pilot pressure	1.5 8 bar
Duty cycle100 %Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 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 60068-2-6Restriction ambient and medium temperatureWithout holding current reduction -5 - 50 °CShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]	Suitability for vacuum	Yes
Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 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 60068-2-6Restriction ambient and medium temperatureWithout holding current reduction -5 - 50 °CShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]	Switching time reversal	7 ms
Max. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 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 60068-2-6Restriction ambient and medium temperatureWithout holding current reduction -5 - 50 °CShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]	Duty cycle	100 %
Characteristic coil data  24 V DC: 1 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  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  -5 60 °C  Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Max. positive test pulse with logic 0	700 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  Restriction ambient and medium temperature Without holding current reduction -5 - 50 °C  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Max. negative test pulse with logic 1	900 μs
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  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  -5 60 °C  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Characteristic coil data	24 V DC: 1 W
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  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  -5 60 °C  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Permissible voltage fluctuation	+/- 10 %
operation)  Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature Without holding current reduction -5 - 50 °C  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  -5 60 °C  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Note on operating and pilot medium	
Restriction ambient and medium temperature  Without holding current reduction -5 - 50 °C  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Vibration resistance	Transport application test at severity level 2 in accordance with FN
-5 - 50 °C  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Restriction ambient and medium temperature	
Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Restriction ambient and medium temperature	
Corrosion resistance classification CRC  2 - Moderate corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Medium temperature  -5 60 °C  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN
PWIS conformity VDMA24364-B1/B2-L  Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Corrosion resistance classification CRC	
Medium temperature -5 60 °C  Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]		
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	,	1 · · · · · · · · · · · · · · · · · · ·
	•	
	Ambient temperature	-5 60 °C



Feature	Value
Product weight	45 g
Electrical connection	Via electrical connection plate
Mounting type	on manifold rail
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Wrought Aluminium alloy