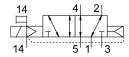
Air solenoid valve VSVA-B-M52-AZH-D2-1T1L

Part number: 8034971







Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Width	52 mm
Standard nominal flow rate	2900 l/min
Pneumatic working port	Sub-base, size 2 according to ISO 5599-2 G1/2
Operating voltage	24V DC
Operating pressure	-0.09 MPa1 MPa -0.9 bar10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - Recognized (OL)
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Degree of protection	IP65 NEMA 4
Width dimension	59 mm
Exhaust air function	With flow control option Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-2
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Any
Signal status display	LED
Pilot pressure MPa	0.3 MPa1 MPa
Pilot pressure	3 bar10 bar
Flow rate of pneumatic valve	4000 l/min
Flow rate of pneumatic valve on individual sub-base	3400 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	2900 l/min

On switching time Duty cycle 100% Aux, positive test pulse with 0 signal Max, negative test pulse on 1 signal 3500 µs Nominal pick-up current per solenoid coil 165 mA to 30 ms Nominal current with current reduction 35 mA after 30 ms Coil characteristics 24 V DC 4.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4/- 10 % Operating medium Compressed air as per ISO 8573-1;2010 [7:4:4] Information on operating and pillot media Upperating medium Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-27 Corrosion resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O-No corrosion stress LABS (PWIS) conformity VDMA2436-4B1/82-L Temperature of medium 5-9°C50°C Relative air humidity 0-90% Ambient temperature 7-5°C50°C Relative air humidity 0-90% Electrical connection Plug-in sper ISO 5599-2 Type of mounting Product weight 702 g Electrical connection Plug-in sper ISO 5599-2 Product weight Plot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 2 Preumatic connection 3 Preumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Note on materials ROBS Size 2 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 Note on materials ROBS Size 3 as per ISO 5599-2 ROBS Size 3 as per ISO 5	Feature	Value
Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick up current per solenoid coil 165 mA to 30 ms Nominal current with current reduction 35 mA after 30 ms Coil characteristics 24 V DC: 4.6 W Surge resistance 2.5 kW Contamination level 3 Permissible voltage fluctuations 4/-10 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O - No corrosion stress Corrosion resistance discondition of medium 5-9 C50 °C Relative air humidity O - 90 % Ambient temperature 7-5 °C50 °C Product weight Tope of mounting Product weight Product weight Type of mounting Product weight Product self product of the product weight Product medition Product self product of the product weight Product weight Product weight Product self product of the product of th	Switching time off	45 ms
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil Nominal current with current reduction 35 mA after 30 ms Coil characteristics 24 V DC; 4,6 W Surge resistance 2,5 kV Contamination level Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O-No corrosion stress Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O-No corrosion stress Vibration resistance data (CRC) O-No corrosion stress Product weight Social in test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O-No corrosion stress Product weight Total Product weight Total Sub-base, size 2 as per ISO 5599-2 Type of mounting On sub-base Plot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Product weight Product weight Sub-base, size 2 as per ISO 5599-2 Product weight Product weight Sub-base, size 2 as per ISO 5599-2 Product weight Product connection 1 Sub-base, size 2 as per ISO 5599-2 Product weight Product connection 2 Sub-base, size 2 as per ISO 5599-2 Product connection 4 Sub-base, size 2 as per ISO 5599-2 Product connection 4 Sub-base, size 2 as per ISO 5599-2 Product connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials Product connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials Product connection 6 Product connection 7 Product size at a per ISO 5599-2 Product size	On switching time	40 ms
Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil 165 mA to 30 ms Nominal current with current reduction 35 mA after 30 ms Coil characteristics 22 V DC: 4.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7.4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress VDMA24364-B1/82-L Temperature of medium 5-5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature 7-5 °C50 °C Product weight 70 2 g Electrical connection Plug in as per ISO 5599-2 Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 7 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 7 Pneumatic connection 8 PNM HNR NRR HNRR NRR	Duty cycle	100%
Nominal pick-up current per solenoid coil Nominal current with current reduction 35 mA after 30 ms 24 V DC; 4.6 W Surge resistance 2.5 kV Contamination level 3 Permissible vottage fluctuations 4-f- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:44] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-7 Corrosion resistance class (CRC) 0 - No corrosion stress Corrosion resistance class (CRC) 0 - No corrosion stress LABS: (PWIS) conformity VDMA24364-81/82-1. Temperature of medium 5- °C50 °C Relative air humidity 0 - 90 % Ambient temperature 7-5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Puburatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 7 Pneumatic connection 8 Pneumatic connection 9 Die-cast aluminum Pneumatic subminum Pneumatic subminum Pneumatic subminum Pneumatic subminum Pneumatic subminum Pneuma	Max. positive test pulse with 0 signal	1000 μs
Nominal current with current reduction 35 mA after 30 ms Coil characteristics 24 V DC: 4.6 W Surge resistance 2.5 kV Ormaniation level 3 Permissible voltage fluctuations 4/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7.4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA2/454-B1/82-L Temperature of medium -5 °C50 °C Relative air humidity O -9 0 % Ambient temperature -5 °C50 °C Type of mounting Product weight Electrical connection Plug-in as per ISO 5599-2 Type of mounting Plot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Die-cast aluminum Pace Hussing material	Max. negative test pulse on 1 signal	3500 μs
Coli characteristics 24 V DC: 4.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4/-10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0-No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium 5-5 °C50 °C Relative air humidity 0-90 % Ambient temperature 5-5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 7 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 8 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Sub-base size 2 as per ISO 5	Nominal pick-up current per solenoid coil	165 mA to 30 ms
Surge resistance Contamination level 3 Permissible voltage fluctuations 4/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Product weight Not ducted as per standard Optionally: Pheumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 2 Pheumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials ROHS-compliant FPM HNDR NDR HNDR NDR HNDR NDR HNDR NDR	Nominal current with current reduction	35 mA after 30 ms
Contamination level 3 Permissible voltage fluctuations	Coil characteristics	24 V DC: 4.6 W
Permissible voltage fluctuations	Surge resistance	2.5 kV
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RelfS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA Die-cast aluminum PA	Contamination level	3
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight Flectrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Type of mounting On sub-base, size 2 as per ISO 5599-2 Preumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR HOUSING material Die-cast aluminum PA Die-cast aluminum PA	Permissible voltage fluctuations	+/- 10 %
Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Ornosion resistance class (CRC) O -No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-1 Temperature of medium -5° C50° C Relative air humidity O -90% Ambient temperature -5° C50° C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pheu	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight Toug g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Product weight Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA Die-cast aluminum PA	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight Flug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 1 Pueumatic connection 2 Pneumatic connection 3 Pneumatic connection 3 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Plug-in connection 6 Plug-in connection 7 Plug-in connection 8 Plug-in connection 8 Plug-in connection 9 Pneumatic co	Vibration resistance	
LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight To2 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 6 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 9 Pneumatic connecti	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Temperature of medium -5 °C50 °C Relative air humidity 0 - 90 % Ambient temperature -5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Preumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Rote on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Corrosion resistance class (CRC)	0 - No corrosion stress
Relative air humidity O - 90 % Ambient temperature -5 °C50 °C Product weight 702 g Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -5 °C50 °C Product weight Flectrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 RefS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Temperature of medium	-5 °C50 °C
Product weight Flectrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Relative air humidity	0 - 90 %
Electrical connection Plug-in as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-ba	Ambient temperature	-5 °C50 °C
as per ISO 5599-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 2 as per ISO 5599-2 Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Product weight	702 g
Pilot air port 12/14 Pilot air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Electrical connection	
Pilot exhaust air port 82/84 Ducted Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 RoHS-compliant Seals material FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Type of mounting	On sub-base
Not ducted as per standard Optionally: Pneumatic connection 1 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 2 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 RoHS-compliant Seals material FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pilot air port 12/14	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pilot exhaust air port 82/84	Not ducted as per standard
Pneumatic connection 3 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 1	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 4 Sub-base, size 2 as per ISO 5599-2 Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 2	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 5 Sub-base, size 2 as per ISO 5599-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 3	Sub-base, size 2 as per ISO 5599-2
Note on materials Seals material FPM HNBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 4	Sub-base, size 2 as per ISO 5599-2
Seals material FPM HNBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 5	Sub-base, size 2 as per ISO 5599-2
HNBR NBR Housing material Die-cast aluminum PA	Note on materials	RoHS-compliant
PA PA	Seals material	HNBR
Material of screws Steel, galvanized	Housing material	
	Material of screws	Steel, galvanized