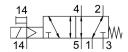
Air solenoid valve VSVA-B-M52-MZD-A1-1T1L

FESTO

Part number: 539159





Data sheet

Feature	Value
Valve function	5/2, monostable
Lap	Overlap
Operating pressure	-0.09 MPa 1 MPa
Pilot pressure MPa	0.3 MPa 1 MPa
Max. current consumption	72 mA
Actuation type	Electrical
Width	26 mm
Standard nominal flow rate	1100 l/min
Pneumatic working port	Sub-base, size 26 mm as per ISO 15407-1 Size 01 sub-base as per VDMA 24563 G1/4
Operating voltage	24V DC
Operating pressure	-0.9 bar 10 bar
Design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65 NEMA 4
Certification	CSA (OL) c UL us - Recognized (OL)
Type code	VSVA
Exhaust air function	With flow control option Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting Covered
Type of control	Pilot-controlled
Pilot air supply port	External Internal
Flow direction	Any
Symbol	00991190
Signal status display	LED
Pilot pressure	3 bar 10 bar
Flow rate of pneumatic valve	1400 l/min
Flow rate of pneumatic valve on individual sub-base	1200 l/min

EN 60068-2-6	Feature	Value
Switching time off On switching time 20 ms Duty cycle 100% Max, positive test pulse with 0 signal 1100 µs Nominal operating voltage DC 24 V Coil characteristics 24 V DC: 1.6 W Surge resistance 2.5 kW 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 Shock resistance Corrosion resistance Shock sets with severity level 2 as per FN 942017-5 and EN 60068-2-6 Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Shock vair humidity O-90 % Relative air humidity O-90 % Product weight 1293 g Electrical connection Plug-in Ambient temperature 7-5°C 50°C Product weight 1993 g Electrical connection Plug-in As per ISO 15407-2 Type of mounting On sub-base Pilot ari port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Note on material PM HNBR NBR HOUSING material	, , , , , , , , , , , , , , , , , , , ,	1350 l/min
On switching time 20 ms Duty cycle 100% Amax. positive test pulse with 0 signal 1200 µs Max. positive test pulse with 0 signal 1100 µs Nominal operating voltage DC 24 V Coil characteristics 24 V DC: 1.6 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 at EN 60068-2-6 Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance Cass (CRC) 0- No corrosion stress Corrosion resistance class (CRC) 0- No corrosion stress Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature 5-5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Note on materials Pilot on materials Die-cast aluminum Pilot cast aluminum Pilot on material	Optimized flow rate of pneumatic valve pneumatically concatenated flow	1100 l/min
Duty cycle 100% Max. positive test pulse with 0 signal 1200 µs Max. negative test pulse on 1 signal 1100 µs Nominal operating voltage DC 24 V Coil characteristics 24 V DC: 1.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4+7 0 % 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 ar EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0-No corrosion stress Relative air humidity 0-9 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature 5-5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials Pole-cast aluminum PA HNBR NBR Housing material	Switching time off	65 ms
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Nominal operating voltage DC 2a V Coil characteristics 2a V DC: 1.6 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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) O - No corrosion stress Relative air humidity O-90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Phoumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials PM HNBR NBR Housing material Die- cast aluminum PA	On switching time	20 ms
Max. negative test pulse on 1 signal Nominal operating voltage DC Coil characteristics 24 V DC: 1.6 W Surge resistance 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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0 - No corrosion stress Relative air humidity 0 - 90 % Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature - 5° C 50 ° C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Photo akaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, si	Duty cycle	100%
Nominal operating voltage DC Coil characteristics 24 V DC: 1.6 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 resistance Transport application test with severity level 2 as per FN 942017-4 at RN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) O - No corrosion stress Relative air humidity O - 90 % Relative air humidity Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407	Max. positive test pulse with 0 signal	1200 μs
Coll characteristics 24 V DC: 1.6 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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0-No corrosion stress Relative air humidity 0-90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature 5-9°C 50°C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Type of mounting On sub-base per ISO 15407-2 Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 6 Plug-in at a sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-	Max. negative test pulse on 1 signal	1100 μs
Surge resistance 2.5 kV Contamination level 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 at EN 60068-2-6 Shock resistance Shock resistance class (CRC) O - No corrosion stress Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 ° C 50 ° C Product weight 233 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base, size 26 mm as per ISO 15407-2 Proliot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 6 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 7 Pneumatic connection 8 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Pneumatic connec	Nominal operating voltage DC	24 V
Contamination level Permissible voltage fluctuations #/-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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0 -No corrosion stress Relative air humidity 0 -90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature 5 ° C 50 ° C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pheumatic connection 5 Note on materials PM HNBR NBR Housing material Die-cast aluminum PA	Coil characteristics	24 V DC: 1.6 W
Permissible voltage fluctuations +/- 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 ar EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0 - No corrosion stress Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials PPM HNBR NBR Housing material Die-cast aluminum PA	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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) O - No corrosion stress Relative air humidity O - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 ° C 50 ° C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 FPM HNBR NBR Housing material 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 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Die-cast aluminum PA	Permissible voltage fluctuations	+/- 10 %
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 at EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-6 Corrosion resistance class (CRC) 0 - No corrosion stress Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature 5-5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base, size 26 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials FPM HNBR NBR Housing material Die-cast aluminum PA	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 60068-2-6 Corrosion resistance class (CRC) 0 · No corrosion stress Relative air humidity 0 · 90 % Filot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 ° C 50 ° C Product weight Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Filot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Filot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials ROHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) Relative air humidity 0 - 90 % Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 2	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Relative air humidity Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Polute thaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 1	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -5 °C 50 °C Product weight Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Corrosion resistance class (CRC)	0 - No corrosion stress
Ambient temperature -5 °C 50 °C Product weight 293 g Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Relative air humidity	0 - 90 %
Product weight Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 26 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic annection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumat	Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Electrical connection Plug-in as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 30 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 6 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 9 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection	Ambient temperature	-5 °C 50 °C
as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Product weight	293 g
Pilot air port 12/14 Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic sonnection 5 FPM HNBR NBR Housing material Die-cast aluminum PA	Electrical connection	
Pilot exhaust air port 82/84 Optionally: Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant Seals material FPM HNBR NBR Housing material Die-cast aluminum PA	Type of mounting	On sub-base
Not ducted as per standard Ducted Pneumatic connection 1 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Pilot air port 12/14	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant Seals material FPM HNBR NBR Housing material Die-cast aluminum PA	Pilot exhaust air port 82/84	Not ducted as per standard
Pneumatic connection 3 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 1	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 4 Sub-base, size 26 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 2	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 5 Sub-base, size 26 mm as per ISO 15407-2 Note on materials RoHS-compliant FPM HNBR NBR NBR Housing material Die-cast aluminum PA	Pneumatic connection 3	Sub-base, size 26 mm as per ISO 15407-2
Note on materials RoHS-compliant FPM HNBR NBR Understand Die-cast aluminum PA	Pneumatic connection 4	Sub-base, size 26 mm as per ISO 15407-2
Seals material FPM HNBR NBR Die-cast aluminum PA	Pneumatic connection 5	Sub-base, size 26 mm as per ISO 15407-2
HNBR NBR Housing material Die-cast aluminum PA	Note on materials	RoHS-compliant
PA	Seals material	HNBR
Material of screws Steel, galvanized	Housing material	
1	Material of screws	Steel, galvanized