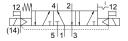
Air solenoid valve VSVA-B-P53BD-ZD-A2-1T1L

FESTO

Part number: 8031817





Data sheet

Feature	Value
Valve function	5/3, connection 4 pressurized, 2 exhausted
Lap	Underlap
Operating pressure	-0.09 MPa 1 MPa
Pilot pressure MPa	0.3 MPa 1 MPa
Actuation type	Electrical
Width	18 mm
Standard nominal flow rate	370 l/min
Pneumatic working port	Sub-base, size 18 mm as per ISO 15407-2 G1/8
Operating voltage	24V DC
Operating pressure	-0.9 bar 10 bar
Design	Piston gate valve
Reset method	Mechanical spring Electrical actuation
Degree of protection	IP65 NEMA 4
Certification	c UL us - Recognized (OL)
Nominal width	5 mm
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	Non-reversible
Symbol	00992924
Signal status display	LED
Pilot pressure	3 bar 10 bar
Flow rate of pneumatic valve on individual sub-base	400 l/min
Optimized flow rate of pneumatic valve, pneumatically concatenated flow	430 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	370 l/min

Asymmetrical switching time on 12 ms for control side 12 9 ms for control side 14 100 yes with 0 signal 100% 100% 100 yes 100	Feature	Value
9m s for control side 14	Asymmetrical switching time off	28 ms for control side 12
Max. positive test pulse with 0 signal 800 µs Max. negative test pulse on 1 signal 800 µs Nominal operating voltage DC 24 V Coll characteristics 24 V DC: 1.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4-/- 10 % Certificate issuing authority UL MH19482 Operating medium Competing and pilot media Operation with oil lubrication possible (required for further use) vibration on operating and pilot media Operation with oil lubrication possible (required for further use) vibration resistance Shock resistance Shock 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 60068-2-6 Corrosion resistance class (CRC) On one corrosion stress Femperature of medium 5-9 °C 50 °C Max. tightening torque for valve mounting 0.8 km 1.7 km Product weight 172 g Helectrical connection 4-pin Plug as per ISO 15407-2 Pupe of mounting On sub-base Pilot exhaust air port 82/84 Optionally: Ducted Ont duted Not	Asymmetrical switching time on	
Max. negative test pulse on 1 signal Nominal operating voltage DC 2 4 V DC: 1.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4/- 10 % Coefficiate issuing authority UL MH19482 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 Femperature of medium Selective air humidity O. 90 % Note of medium Ax. fightening torque for valve mounting Product weight 172 g Felectrical connection 4-pin Plug as per ISO 15407-2 Flore what air port 12/14 Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Pheumatic connection 4 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18	Duty cycle	100%
Nominal operating voltage DC 24 V DC: 1.6 W Coll characteristics 24 V DC: 1.6 W Surge resistance 2.5 kV Contamination level 3 Permissible voltage fluctuations 4/- 10 % Certificate issuing authority UL MH19482 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) About the severity level 2 as per FN 942017-4 and EN 60068-2-27 Corrosion resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O No corrosion stress Temperature of medium 5° C 50° C Temperature of medium 5° C 50° C Temperature of resistance mounting O.8 Nm 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug As per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Preumatic connection 2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per I	Max. positive test pulse with 0 signal	1500 μs
Coll characteristics 24 V DC: 1.6 W Surge resistance 2.5 kV Contamination level 3 Fermissible voltage fluctuations +/- 10 % Certificate issuing authority UL MH19482 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) Albridation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock sets with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 · No corrosion stress Temperature of medium · 5° °C 50° °C Relative air humidity 0 · 90 % Moise level 85 dB(A) Ambient temperature Max. tightening torque for valve mounting 0.8 km 1.2 km Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Prenu	Max. negative test pulse on 1 signal	800 μs
Surge resistance Contamination level 3 Permissible voltage fluctuations 4/- 10 % Contressed 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 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance alsos (CRC) O - No corrosion stress Femperature of medium -5 ° C 50 ° C Relative air humidity O - 90 % Noise level 85 dB(A) Ambient temperature -5 ° C 50 ° C Max. tightening torque for valve mounting O.8 Nm 1.2 Nm Product weight Felicitrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 4 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Peneumatic connection 5 Sub-base,	Nominal operating voltage DC	24 V
Contamination level 3 Permissible voltage fluctuations 4/- 10 % Certificate issuing authority UL MH19482 Deprating 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 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 Femperature of medium 5-5 °C 50 °C Relative air humidity 0-90 % Relative air humidity 0-90 % Roise level 85 dB(A) Ambient temperature 5-5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Filot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-ba	Coil characteristics	24 V DC: 1.6 W
Permissible voltage fluctuations #-/- 10 % Certificate issuing authority UL MH19482 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) Wibration 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 Femperature of medium 5° C 50° C Max. tightening torque for valve mounting O.8 Nm 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 2 Pheumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size	Surge resistance	2.5 kV
Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Contamination level	3
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 Temperature of medium -5 °C 50 °C Relative air humidity O - 90 % Relative air humidity O - 90 % Max. tightening torque for valve mounting On 8 m 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Optionally: Ducted Not ducted Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Note on materials ROHS-compliant FPM NBR Housing material Die-cast aluminum PA	Permissible voltage fluctuations	+/- 10 %
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 Temperature of medium -5 °C 50 °C Relative air humidity 0 - 90 % Rolative air humidity 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Optionally: Ducted Not ducted Pneumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Rolative air port 12/14 Rolative ai	Certificate issuing authority	UL MH19482
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 Temperature of medium -5 °C 50 °C Relative air humidity 0 - 90 % Relative air humidity 0 - 90 % Noise level 85 dB(A) Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm Product weight 172 g Electrical connection Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6 Shock resistance Shock resistance Shock resistance (CRC) O - No corrosion stress Temperature of medium -5 °C 50 °C Relative air humidity O - 90 % Noise level Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0 .8 Nm 1.2 Nm Product weight 172 g 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) O - No corrosion stress Temperature of medium -5 °C 50 °C Relative air humidity O - 90 % Noise level 85 dB(A) Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting O.8 Nm 1.2 Nm Product weight 172 g Lectrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, siz	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Femperature of medium -5 °C 50 °C Relative air humidity 0 - 90 % Noise level 85 dB(A) Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-bas	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Relative air humidity O - 90 % Noise level Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm Product weight Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base, size 18 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Preumatic connection 2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15	Corrosion resistance class (CRC)	0 - No corrosion stress
Noise level Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm Product weight 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size	Temperature of medium	-5 °C 50 °C
Ambient temperature -5 °C 50 °C Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm 172 g Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pheumatic connection 5 Sub-base, siz	Relative air humidity	0 - 90 %
Max. tightening torque for valve mounting 0.8 Nm 1.2 Nm 172 g 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic	Noise level	85 dB(A)
Product weight Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Pueumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic conne	Ambient temperature	-5 °C 50 °C
Electrical connection 4-pin Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Optionally: Ducted Not ducted Preumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Max. tightening torque for valve mounting	0.8 Nm 1.2 Nm
Plug as per ISO 15407-2 Type of mounting On sub-base Pilot air port 12/14 Sub-base, size 18 mm as per ISO 15407-2 Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Pneumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 2 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Die-cast aluminum PA Die-cast aluminum PA	Product weight	172 g
Prilot air port 12/14 Pilot air port 82/84 Prilot exhaust air port 82/84 Sub-base, size 18 mm as per ISO 15407-2 Prilot exhaust air port 82/84 Sub-base, size 18 mm as per ISO 15407-2 Prilot exhaust air port 82/84 Sub-base, size 18 mm as per ISO 15407-2 Prilot exhaust air port 82/84 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Electrical connection	Plug
Pilot exhaust air port 82/84 Optionally: Ducted Not ducted Pneumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Type of mounting	On sub-base
Ducted Not ducted Pneumatic connection 1 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pilot air port 12/14	Sub-base, size 18 mm as per ISO 15407-2
Pneumatic connection 2 Pneumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 4 Pneumatic connection 4 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pilot exhaust air port 82/84	Ducted
Preumatic connection 3 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Preumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pneumatic connection 1	Sub-base, size 18 mm as per ISO 15407-2
Pneumatic connection 4 Sub-base, size 18 mm as per ISO 15407-2 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pneumatic connection 2	Sub-base, size 18 mm as per ISO 15407-2
Pneumatic connection 5 Sub-base, size 18 mm as per ISO 15407-2 Rote on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pneumatic connection 3	
Note on materials RoHS-compliant FPM NBR Housing material Die-cast aluminum PA	Pneumatic connection 4	Sub-base, size 18 mm as per ISO 15407-2
Seals material FPM NBR Housing material Die-cast aluminum PA	Pneumatic connection 5	Sub-base, size 18 mm as per ISO 15407-2
NBR Housing material Die-cast aluminum PA	Note on materials	RoHS-compliant
PA PA	Seals material	
Material of screws Steel, galvanized	Housing material	
	Material of screws	Steel, galvanized