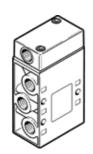
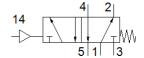
pneumatic valve VL-5-1/8 Part number: 9764

FESTO

5/2-way function, pneumatically actuated, with spring return





Data sheet

Standard nominal flow rate Soo I/min	Feature	Value
Standard nominal flow rate Soo I/min	Valve function	5/2 monostable
Standard nominal flow rate Operating pressure Operating pressure Poppet seat Popped seat Type of reset Nominal size Smm Grid dimension 27 mm Exhaust-air function Saeling principle Assembly position Any Type of piloting direct Plot air supply External Plot pressure 1.2	Type of actuation	pneumatic
Operating pressure 0 10 bar Design structure Poppet seat Type of reset mechanical spring Nominal size 5 mm Edhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting direct Pilot air pupply external Flow direction non reversible Overlap Underlap Pilot pressure 1.2 10 bar Max. switching frequency 12 Hz Switching time off 16 ms Switching time on 5 ms Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Priot air port 12 61/8 Priot air port 14 61/	Width	26 mm
Design structure Type of reset Mediant groups of seat Type of progress of seat Max. switching frequency Switching time on Operating and pilot medium Octorosion resistance classification CRC Storage temperature Pilot medium Ambient temperature Pilot ari supprature Medium temperature Pilot ari supprature Mounting type Mounting type Mounting type Pilot ari supprature Mounting type Mounting type Mounting type Pilot ari supprature Mounting type Max. switching frequency Mounting type Mounting type Mounting type Mounting type Mounting type Max. switching frequency Mounting type Mounting type Mounting type Mounting type Mounting type Max. switching time on Operating medium Mounting type Mounting type Mounting type Mounting type Mounting type Mounting type Max. switching time on Operating mounting type Mounting	Standard nominal flow rate	500 l/min
Type of reset Nominal size 5 mm Grid dimension 27 mm Exhaust-air function Sealing principle Soft Any Type of piloting Pilot air supply Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance classification CRC Pilot medium Compressure 1 - 0 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] On Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight On PR manifold with through hole Optional Pilot air port 12 G1/8 Preumatic connection, port 1 Preumatic connection, port 2 G1/8 Preumatic connection, port 4 Preumatic connection, port 4 Preumatic connection, port 5 G1/8 Material seals NBR TPE-U(PU)	Operating pressure	0 10 bar
Nominal size 5 mm 27 mm 5 mm 5 mm 6 mm 6 mm 6 mm 6 mm 6 mm	Design structure	Poppet seat
Grid dimension 27 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting direct Pilot air supply external Flow direction non reversible Overlap Underlap Flow pressure 1.2 10 bar Max. switching frequency 12 Hz Switching time off 5 ms Operating medium Comperating and pilot medium perature 20 60 °C Floot pressure 21 60 °C Floot on operating and pilot medium Comperature 10 60 °C Floot mediu	Type of reset	mechanical spring
Exhaust-air function throttleable soft Sealing principle soft Any Sostion Any direct Pilot air supply external Flow direct non neversible Overlap Underlap Underlap Pilot pressure 1.2 10 bar Max. switching frequency 12 Hz Switching time on 5 ms Operating medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Pilot medium Compressed air in accordance with	Nominal size	5 mm
Sealing principle Assembly position Any Type of plotting Pilot air supply external Flow direction non reversible Overlap Pilot pressure 1.2 10 bar Max. switching frequency 12 Hz Switching time on Operating medium Operating and pilot medium Compressation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature - 20 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature - 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature - 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature - 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature - 10 60 °C Pilot air port 12 - 10 60 °C Pilot air port 12 - 10 60 °C Pilot air port 12 - 10 60 °C Pilot air port 14 - 16 61/8 Pneumatic connection, port 2 - 17/8 Pneumatic connection, port 3 - 18/8 Pneumatic connection, port 4 - 19/8 Pneumatic connection, port 5 - 18/8 Atterial seals - 18/8 TPE-U(PU) Marerials note - MANY - And And Any - Morerials and Lower and Low	Grid dimension	27 mm
Assembly position Type of piloting direct Type of piloting direct Type of piloting direct Type of piloting external Thou direction non reversible Overlap Underlap Underlap Pilot pressure 1.2 10 bar Max. switching frequency 1.2 Hz Switching time off 5 ms Oyerating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature 20 60 °C Medium temperature 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Filot air port 12 Filot air port 14 Filot air port 14 Filot air port 15 Filot air port 15 Filot air port 15 Filot air port 16 Filot air port 16 Filot air port 17 Filot air port 17 Filot air port 18 Filot air port 19 Filot air p	Exhaust-air function	throttleable
Type of piloting direct Pilot air supply	Sealing principle	soft
Pilot air supply External	Assembly position	Any
Flow direction non reversible Underlap Underlap Underlap Underlap Underlap Underlap I.2 10 bar I.2 10 bar I.2 10 bar I.2 Hz Switching frequency 12 Hz Is I 6 ms Switching frequency I.6 ms Switching time of I.6 ms Switching time on I.6 ms Switching time of I.6 ms In I.6	Type of piloting	direct
Underlap Underlap Pilot pressure 1.2 10 bar	Pilot air supply	external
Pilot pressure 1.2 10 bar Max. switching frequency 12 Hz Switching time off 5 ms Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 G1/8 Pilot air port 14 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals TPE-U(PU)	Flow direction	non reversible
Max. switching frequency Switching time off Switching time on Switching time on Operating medium Note on operating and pilot medium Uubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight -10 60 °C Product weight -10 60 °C Operating manifold with through hole Optional Pilot air port 12 G1/8 Pilot air port 14 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Materials note Materials note Materials note Materials seals NBR TPE-U(PU)	Overlap	Underlap
Switching time off Switching time on Sourching time on Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature - 20 60 °C Medium temperature - 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature - 10 60 °C Product weight - 220 g Mounting type - On PR manifold with through hole optional Pilot air port 12 Flot air port 14 Flot air port 14 Flot air port 14 Flot air port 14 Flot air port 15 Flot air port 16 Flot air port 17 Flot air port 19 Flot a	Pilot pressure	1.2 10 bar
Switching time on 5 ms Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1-Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight -220 g Mounting type -20 g Mounting type -20 g Mounting type -20 g Pilot air port 12 g Pilot air port 14 g Pneumatic connection, port 1 g Pneumatic connection, port 2 g Pneumatic connection, port 3 g Pneumatic connection, port 4 g Pneumatic connection, port 5 g Materials note Conforms to RoHS Materials seals R NBR TPE-U(PU)	Max. switching frequency	12 Hz
Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 61/8 Pilot air port 14 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Switching time off	16 ms
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Pilot medium temperature -10 60 °C Pilot medium -10 60 °C Product weight Sometine State of Color of	Switching time on	5 ms
operation) Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight Mounting type On PR manifold with through hole Optional Pilot air port 12 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Corrosion resistance classification CRC 1 - Low corrosion stress Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 G1/8 Pilot air port 14 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 Filot air connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Note on operating and pilot medium	
Storage temperature -20 60 °C Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 Filot air port 14 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Corrosion resistance classification CRC	
Medium temperature -10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Raterials note Material seals NBR TPE-U(PU)		
Ambient temperature Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 Filot air port 14 Filot air port 14 Filot air port 14 Filot air port 15 Filot air port 15 Filot air port 16 Filot air port 16 Filot air port 17 Filot air port 18 Filot air port 19 Filot air port 19 Filot air port 19 Filot air port 10 Fil	Medium temperature	-10 60 °C
Ambient temperature Product weight 220 g Mounting type On PR manifold with through hole Optional Pilot air port 12 Filot air port 14 Filot air port 14 Filot air port 14 Filot air port 15 Filot air port 15 Filot air port 16 Filot air port 16 Filot air port 17 Filot air port 18 Filot air port 19 Filot air port 19 Filot air port 19 Filot air port 10 Fil	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Product weight Mounting type On PR manifold with through hole Optional Pilot air port 12 Pilot air port 14 Pilot air port 14 Pilot air port 15 Pilot air port 16 Pilot air port 19 Pilot air port 19 Preumatic connection, port 1 Preumatic connection, port 2 Preumatic connection, port 3 Preumatic connection, port 3 Preumatic connection, port 4 Preumatic connection, port 5 Materials note Material seals NBR TPE-U(PU)	Ambient temperature	
Mounting type On PR manifold with through hole Optional Pilot air port 12 Filot air port 14 Filot air port 12 Filot air port 14 Filot air po		220 g
with through hole Optional Pilot air port 12 G1/8 Pilot air port 14 G1/8 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note NBR TPE-U(PU)		On PR manifold
Pilot air port 12 Pilot air port 14 Pilot air port 14 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)		with through hole
Pilot air port 12 Pilot air port 14 Pilot air port 14 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)		Optional
Pilot air port 14 Pilot air port 14 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 3 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 Pneumatic connection, port 5 Pneumatic connection, port 4 Pneumatic connection, port 5 Pneumatic	Pilot air port 12	
Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Pilot air port 14	
Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 Materials note Material seals Pneumatic connection, port 5 Material seals Pneumatic connection, port 5 Material seals NBR TPE-U(PU)	Pneumatic connection, port 1	
Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS MBR TPE-U(PU)	Pneumatic connection, port 2	
Pneumatic connection, port 4 Pneumatic connection, port 5 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Pneumatic connection, port 3	·
Pneumatic connection, port 5 G1/8 Materials note Conforms to RoHS Material seals NBR TPE-U(PU)	Pneumatic connection, port 4	
Material seals NBR TPE-U(PU)	Pneumatic connection, port 5	
TPE-U(PU)	Materials note	Conforms to RoHS
	Material seals	
Material noticing	Material housing	Aluminium die cast