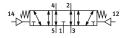
Solenoid valve VSNC-F-P53E-M-G14-P2

FESTO

Part number: 8114684





Data sheet

Electric Construction width Standard nominal flow rate (standardised to DIN 1343) 1050 l/min poneumatic working port NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure 0.3 MPa0.8 MPa 3 bar8 bar Piston gate valve Operating function With flow control option Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Operating via principle Internal Operating principle Internal Overlap Overlap Overlap Overlap Overlap Overlap Switching time on Switching time reversal Operating medium Overesting and pilot medium Lubricated operating sosible (in which case lubricated operation will adways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress OVMAC4364-B2-L	Feature	Value
Construction width 32 mm Standard nominal flow rate (standardised to DIN 1343) 1050 l/min pneumatic working port Via Solenoid coil, must be ordered separately Via solenoid coil must be ordered separately Via solenoid via solenoid coil must be ordered separately Via solenoid coil must be ordered operation v	Valve function	5/3 exhausted
Standard nominal flow rate (standardised to DIN 1343) Deneumatic working port Deneting voltage Ua solenoid coil, must be ordered separately Departing pressure 3 bar8 BPa 3 bar8 BPa 3 bar8 Jar Design Piston gate valve Type of reset Mechanical spring Exhaust-air function Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Pilot actuated Pilot air supply Internal Flow direction Non-reversible Do value C value 4.4 I/sbar Switching time off Switching time on Switching time reversal Duty cycle Characteristic coil data Departing wolf and the side of the side	Type of actuation	Electric
NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure O3 MPaO.8 MPa 3 bar8 bar Piston gate valve Wrype of reset Mechanical spring Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot actuated Pilot air supply Internal Flow direction Non-reversible Joap Overlap Overlap Ovalue C. value 4.4 L/sbar Switching time off 9 ms Switching time off 9 ms Switching time reversal 16 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately Comperating and pilot medium Lubricated operation will aiways be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMAA24364-B2-L	Construction width	32 mm
Operating voltage Operating pressure Operati	Standard nominal flow rate (standardised to DIN 1343)	1050 l/min
Design Piston gate valve Design Piston gate valve Design Mechanical spring Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot will rection Non-reversible App Overlap Do value O.4 Coalue 4.4 I/sbar Switching time off 9 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B2-L	pneumatic working port	NAMUR port pattern
Design Piston gate valve Type of reset Mechanical spring Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot ari supply Internal Flow direction Non-reversible Dap Overlap Overlap Overlap Ovalue 0.4 C value 4.4 l/sbar Switching time off 9 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium laways be required) Corrosion resistance class CRC 2 Moderate corrosion stress VDMA24364-B2-L	Operating voltage	Via solenoid coil, must be ordered separately
Internal Pilot air supply Internal Pilot air	Operating pressure	1 T T T T T T T T T T T T T T T T T T T
Exhaust-air function Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Apply Overlap Overlap Ovalue O.4 C-Value 4.4 I/sbar Switching time off Switching time on Switching time reversal Internal Flow direction Internal Switching time on Switching time reversal Internal Conforms to standard Overlap Outproycle Internal Outproycle Outproycle Internal Outproycle Inter	Design	Piston gate valve
Sealing principle Soft Mounting position Optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot actuated Internal Flow direction Non-reversible Overlap Ovalue O.4 C value 4.4 I/sbar Switching time off Switching time on Switching time reversal Duty cycle Characteristic coil data Department of See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B2-L	Type of reset	Mechanical spring
Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible ap Overlap Do value O.4 C value 4.4 l/sbar Switching time off 9 ms Switching time on 6 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B2-L	Exhaust-air function	With flow control option
Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Internal Flow direction Non-reversible Overlap Overlap Ovalue O.4 C value 4.4 l/sbar Switching time off 9 ms Switching time on 6 ms Switching time reversal 16 ms Duty cycle Characteristic coil data Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Sealing principle	Soft
Manual override None Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Overlap Overlap Ovalue O.4 C value 4.4 l/sbar Switching time off 9 ms Switching time eversal In ms Duty cycle 100% Characteristic coil data Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Mounting position	optional
Pilot actuated Pilot air supply Internal Pilot actuated Internal Pilot actuated Internal Internal Internal Pilot actuated Internal Inte	Conforms to standard	VDI/VDE 3845 (NAMUR)
Pilot air supply Internal Flow direction Non-reversible Overlap Overlap Ovalue O.4 C value 4.4 I/sbar Switching time off Switching time reversal Outy cycle Characteristic coil data Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance class CRC LABS (PWIS) conformity VDMA24364-B2-L	Manual override	None
Non-reversible Overlap Ovalue O.4 C value 4.4 I/sbar Switching time off Switching time on Switching time reversal Outy cycle Characteristic coil data Operating medium Note on operating and pilot medium Corrosion resistance class CRC LABS (PWIS) conformity Non-reversible Overlap Overla	Type of piloting	Pilot actuated
Overlap Ovalue Ovalue Ovalue A4.4 l/sbar Switching time off 9 ms Switching time reversal Outy cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Pilot air supply	Internal
b value 0.4 C value 4.4 l/sbar Switching time off 9 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Flow direction	Non-reversible
C value 4.4 l/sbar Switching time off 9 ms Switching time on 6 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	lap	Overlap
Switching time off Switching time on 6 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	b value	0.4
Switching time on 6 ms Switching time reversal 16 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	C value	4.4 l/sbar
Switching time reversal Duty cycle 100% Characteristic coil data Deperating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Switching time off	9 ms
Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Switching time on	6 ms
Characteristic coil data See solenoid coil, to be ordered separately Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B2-L	Switching time reversal	16 ms
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B2-L	Duty cycle	100%
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Characteristic coil data	See solenoid coil, to be ordered separately
always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B2-L	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity VDMA24364-B2-L	Note on operating and pilot medium	
	Corrosion resistance class CRC	2 - Moderate corrosion stress
Media temperature -20 °C60 °C	LABS (PWIS) conformity	VDMA24364-B2-L
	Media temperature	-20 °C60 °C

Feature	Value
Ambient temperature	-20 °C60 °C
Product weight	428 g
Type of mounting	With through-hole
Breather connection	Not ducted
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	NAMUR port pattern
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	NAMUR port pattern
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Wrought aluminium alloy
Material screws	Galvanised steel