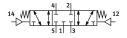
Solenoid valve VSNC-F-P53C-M-N14-P2

FESTO

Part number: 8114700





Data sheet

Electric Construction width Standard nominal flow rate (standardised to DIN 1343) 1250 I/min pneumatic working port NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure 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 voltage Pilot air supply Internal Coulouse Despitation Overleap Overlap Overlap Overlap Switching time off Switching time on Switching time reversal Operating medium Note on operating and pilot medium LADS (PWIS) conformity VDMS2464-B2-L LABS (PWIS) conformity VDMS2464-B2-L VDMS267 (in which case lubricated operation possible (in	Feature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) 1250 I/min Deneumatic working port NAMUR port pattern Uperating voltage Via solenoid coil, must be ordered separately Operating pressure 0.3 MPa0.8 MPa 3 bar8 bar 3 bar8 bar Design Pliston gate valve With flow control option Sealing principle Soft Mounting position Opitional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Pilot air supply Internal Pilot air supply Internal Pilot direction Non-reversible Overlap Ovalue Ovalue 5.2 I/sbar Switching time off Switching time off Switching time on Switching time reversal Design principle Soft Soft Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation possible (in which case lubricated operation will always be required) Corposion resistance class CRC 2 - Moderate corrosion stress	Valve function	5/3 closed
Standard nominal flow rate (standardised to DIN 1343) Deneumatic working port Deneumatic working port Deneting voltage Ua solenoid coil, must be ordered separately Operating pressure 3 bar8 BAP 3 3 bar8 BAP 3 3 bar8 Common of the separately 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 Overlap Overlap Ovalue C value 5 2 I/Sbar Switching time off Switching time on Switching time reversal Duty cycle Characteristic coil data Deparating medium Note on operating and pilot medium Lubricated corrosion stress VDMA24364-B2-L VDMA24364-B2-L	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 Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard Mone Type of Piotoring Pilot actuated Pilot air supply Internal Flow direction Non-reversible Joap Overlap Overlap Overlap Overlap Switching time off Switching time on Switching time reversal Operating medium None Corrosion resistance class CRC 2 Moderate corrosion stress VDMA24364-B2-L LABS (PWIS) conformity VDMA24364-B2-L	Construction width	32 mm
Operating voltage Operating pressure Operati	Standard nominal flow rate (standardised to DIN 1343)	1250 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 S.2 I/sbar Switching time off 20 ms Switching time reversal 9 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately Dover operating and pilot medium Lubricated operation opsible (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 5.2 I/sbar Switching time off 20 ms Switching time reversal 9 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
Internation of the set	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 air supply Internal Flow direction Non-reversible App Overlap Ovalue O.4 Cvalue S.2 I/sbar Switching time off Switching time on Switching time reversal Duty cycle Characteristic coil data See solenoid coil, to be ordered separately Corposion resistance class CRC LABS (PWIS) conformity With flow control option Optional Soft Soft Optional Op	Design	Piston gate valve
Sealing principle Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Type of piloting Pilot actuated Internal Flow direction Non-reversible Overlap Ovalue C value S-2 I/sbar Switching time off Switching time on Switching time reversal Outy cycle Characteristic coil data Departing medium None 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 LABS (PWIS) conformity 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 Type of value O.4 C value 5.2 l/sbar Switching time off 20 ms Switching time on 5 ms Switching time reversal 9 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 will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA 24364-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 Ovalue O.4 C value 5.2 l/sbar Switching time off 20 ms Switching time on 5 ms Switching time reversal 9 ms Duty cycle 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 VDMA24364-B2-L	Sealing principle	Soft
Manual override None Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible App Overlap Ovalue O.4 C value 5.2 l/sbar Switching time off 20 ms Switching time on Switching time reversal Puty cycle 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 Non-reversible Overlap Overlap Ovalue O.4 C value S.2 l/sbar Switching time off 20 ms Switching time on Smitching time reversal Outy cycle 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	Conforms to standard	VDI/VDE 3845 (NAMUR)
Pilot air supply Internal Flow direction Non-reversible Overlap Overlap Ovalue O.4 C value S.2 l/sbar Switching time off 20 ms 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 Overlap Ovalue O.4 C value S.2 l/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 Solution off Ovalue Solu	Pilot air supply	Internal
b value 0.4 C value 5.2 l/sbar Switching time off 20 ms Switching time on 5 ms Switching time reversal 9 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 5.2 l/sbar Switching time off 20 ms Switching time on 5 ms Switching time reversal 9 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 Smitching time on Smitching time reversal 9 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 5 ms Switching time reversal 9 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	5.2 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	20 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 VDMA24364-B2-L	Switching time on	5 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	9 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	1/4 NPT
Pneumatic connection, port 2	NAMUR port pattern
Pneumatic connection, port 3	1/4 NPT
Pneumatic connection, port 4	NAMUR port pattern
Pneumatic connection, port 5	1/4 NPT
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Wrought aluminium alloy
Material screws	Galvanised steel