Solenoid valve VSNC-FC-M52-MD-N14-F8

FESTO

Part number: 577262



Data sheet

Type of actuation Electric Construction width 32 mm Standard nominal flow rate (standardised to DIN 1343) 1250 l/min pneumatic working port NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar Obesign Piston gate valve Type of reset Adenoid pattern Operating authority DNVGL-TAA0000111 Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Filot direction Non-reversible Operating position Overlap Signal status display With accessories Universible Standard Non-reversible Overlap Signal status display With accessories Universible Standard Non-reversible Overlap Switching time off A8 ms Switching time off Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Feature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) 1250 l/min NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar Design Piston gate valve Reproval Certificate issuing authority DNVGL-TAA000011J Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Non-detenting Sippo of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Idap Overlap Signal status display With accessories b value 0.4 C Value Standard nominal flow rate, exhaust return 4->3 I10 l/min Switching time off A8 ms Switching time on Duty cycle C Characteristic coil data See solenoid coil, to be ordered separately	Valve function	5/2-way or 3/2-way, convertible
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port NAMUR port pattern Operating voltage Via solenoid coil, must be ordered separately Operating pressure O	Type of actuation	Electric
NAMUR port pattern Operating voltage Operating voltage Operating pressure Operatin	Construction width	32 mm
Operating voltage Operating voltage Operating pressure Operatin	Standard nominal flow rate (standardised to DIN 1343)	1250 l/min
Operating pressure Operating pressure October preset Approval Certificate issuing authority Exhaust-air function Sealing principle Mounting position Conforms to standard Mound override Detenting Type of piloting Filot actuated Internal Flow direction Non-reversible Iap Overlap Signal status display With accessories b value O.4 C value Scalus principle Sex overlap Sex overlap Standard overlap Outprinciple Overlap Signal status display With accessories Standard nominal flow rate, exhaust return 4->3 Switching time on Duty cycle Characteristic coil data Overlap Sex see solenoid coil, to be ordered separately	pneumatic working port	NAMUR port pattern
2.5 bar10 bar Design Piston gate valve Type of reset Mechanical spring Approval c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011] Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Jap Overlap Signal status display With accessories Value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Operating voltage	Via solenoid coil, must be ordered separately
Mechanical spring Approval c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011J Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Internal Signal status display With accessories by value O.4 C value S.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off Switching time on 11 ms Duty cycle Characteristic coil data Mechanical spring Mechanical spring DNAGL TAA000011J Exhaust-Recognized (OL) OUT S.2 U.S - Recognized (OL) With flow control option With flow control option Soft With flow control option Soft Non-reversible Non-reversible Overlap Signal status display With accessories 110 l/min Switching time off Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Operating pressure	
Approval c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011] Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Jap Overlap Signal status display With accessories b value 0.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Design	Piston gate valve
Certificate issuing authority Exhaust-air function Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Jap Overlap Signal status display by value C value S 2.2 I/sbar Standard nominal flow rate, exhaust return 4->3 Switching time on Duty cycle Characteristic coil data DNVGL-TAA000011] With flow control option With flow control option Soft With Accessories 110 I/min Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Type of reset	Mechanical spring
Exhaust-air function Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Flot actuated Pilot actuated Internal Flow direction Iap Signal status display Value C value Standard nominal flow rate, exhaust return 4->3 Switching time on Duty cycle Characteristic coil data With flow control option Soft Soft Aption and soft Optional Non-reversible Non-reversible Overlap Signal status display With accessories 110 l/min Switching time on 11 ms Duty cycle Characteristic coil data See solenoid coil, to be ordered separately	Approval	c UL us - Recognized (OL)
Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Filot actuated Pilot air supply Internal Flow direction Non-reversible Iap Signal status display With accessories Value Value Standard nominal flow rate, exhaust return 4->3 Switching time on Luty cycle Luty Characteristic coil data Soft Soft Optional VDI/VDE 3845 (NAMUR) Detenting Non-detenting No	Certificate issuing authority	DNVGL-TAA000011J
Mounting position optional Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Jup Overlap Signal status display With accessories Detail value 0.4 C value 5.2 I/sbar Standard nominal flow rate, exhaust return 4->3 110 I/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Exhaust-air function	With flow control option
Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Pilot actuated Pilot actuated Internal Flow direction Non-reversible Jap Overlap Signal status display With accessories Value O.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle Characteristic coil data VDI/VDE 3845 (NAMUR) Detenting Non-detenting Non-detenting Non-detenting With accused 110 l/min 48 ms See solenoid coil, to be ordered separately	Sealing principle	Soft
Manual override Detenting Non-detenting Pilot actuated Pilot air supply Internal Non-reversible Detenting Non-detenting Pilot actuated Pilot actuated Internal Non-reversible Detenting Non-reversible Detenting Non-detenting No	Mounting position	optional
Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Iap Overlap Signal status display With accessories b value 0.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Conforms to standard	VDI/VDE 3845 (NAMUR)
Pilot air supply Internal Non-reversible Overlap Signal status display Vith accessories Value O.4 C value Standard nominal flow rate, exhaust return 4->3 Switching time off 48 ms Switching time on 11 ms Duty cycle Characteristic coil data Internal Internal Non-reversible Overlap With accessories O.4 Signal status display With accessories 1.4 Signal status display With accessories 1.4 Signal status display With accessories 1.4 Suith accessories 1.4 Signal status display With accessories 1.4 Signal status display 1.4 S	Manual override	
Flow direction Non-reversible Overlap Signal status display b value C value Standard nominal flow rate, exhaust return 4->3 Switching time off 48 ms Switching time on 11 ms Duty cycle Characteristic coil data Non-reversible Not have a constant a	Type of piloting	Pilot actuated
Overlap Signal status display With accessories b value 0.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Pilot air supply	Internal
Signal status display b value 0.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data With accessories 0.4 5.2 l/sbar 110 l/min 48 ms See solenoid coil, to be ordered separately	Flow direction	Non-reversible
b value 0.4 C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	lap	Overlap
C value 5.2 l/sbar Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Signal status display	With accessories
Standard nominal flow rate, exhaust return 4->3 110 l/min Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	b value	0.4
Switching time off 48 ms Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	C value	5.2 l/sbar
Switching time on 11 ms Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Standard nominal flow rate, exhaust return 4->3	110 l/min
Duty cycle 100% Characteristic coil data See solenoid coil, to be ordered separately	Switching time off	48 ms
Characteristic coil data See solenoid coil, to be ordered separately	Switching time on	11 ms
у	Duty cycle	100%
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	Characteristic coil data	See solenoid coil, to be ordered separately
I	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
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
Media temperature	-20 °C60 °C
Ambient temperature	-20 °C60 °C
Product weight	335 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