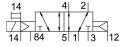
Air solenoid valve MFH-5-1/8-L-S-B Part number: 30992

FESTO





Data sheet

Valve function 5/2, monostable Actuation type Electrical Width 26 mm Standard nominal flow rate 1000 I/min Pneumatic working port 61/8 Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Nominal width 8 mm Type code MFH Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991026 Lap Overlap Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure MPa 0.3 MPa 1 MPa Switching frequency 3 Hz Switching time off 22 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 0 Compressed air as per ISO 8573-1:2010 [7:4:4:	
Width 26 mm Standard nominal flow rate 1000 l/min Pneumatic working port G1/8 Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Nominal width 8 mm Type code MFH Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991026 Lap Overlap Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 HZ Switching time off 22 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 3700 µs Compressed air as per ISO 8573-1:2010 [7:4:4:	
Standard nominal flow rate Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Piston gate valve Reset method Pneumatic spring Nominal width Reset method Nominal width Sealing principle Soft Mounting position Any Manual override Type of control Pilot-controlled Pilot air supply port External Flow direction Symbol Operating Pilot pressure MPA Overlap Pilot pressure Any MPA Pilot pressure Any	
Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Structural design Reset method Pneumatic spring Nominal width Reset method Nominal width Sealing principle Soft Mounting position Any Manual override Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Operating Pilot pressure Any Non-detenting Overlap Pilot pressure Any Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Operating Pilot pressure Any NamPa Any	
Operating pressure Operating pre	
Operating pressure Structural design Piston gate valve Reset method Pneumatic spring Nominal width Reset method MFH Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Oo991026 Lap Overlap Pilot pressure MPa Overlap Pilot pressure MPa O3 MPa 1 MPa Pilot pressure Abar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:42-2-1]	
Structural design Reset method Pneumatic spring Nominal width Type code Soft Mounting position Manual override Type of control Pilot air supply port Flow direction Symbol Lap Pilot pressure MPa Pilot pressure 3 bar 10 bar Max. switching frequency Switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Pneumatic spring Remail Remail Flow MFH Soft MFH Soft MFH Soft MFH Soft Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Polyerial Polyerial Swersible Overlap Overlap Overlap Pilot pressure 3 bar 10 bar 3 hz Switching time off 22 ms On switching time Axx. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:	
Reset method Nominal width Type code MFH Sealing principle Soft Mounting position Any Manual override Type of control Pilot-controlled Pilot air supply port Flow direction Symbol Lap Overlap Pilot pressure MPa Pilot pressure Max. switching frequency Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Pneumatic spring 8 mm MFH Somt MFH Soft MFH Soft MFH Soft MFH Soft MFH Soft Any Mon-detenting Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Oop91026 Lap Overlap Oil MPa 1 MPa 3 bar 10 bar 3 bar 10 bar 3 Hz Switching time off 22 ms On switching time 27 ms Max. negative test pulse with 0 signal 3700 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:2-1]	
Nominal width Type code MFH Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Overlap Pilot pressure MPa Overlap Pilot pressure Max. switching frequency Switching time off On switching time Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium MFH Semm MFH Semm MFH Semm NFH Soft Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Non-detenting	
Type code Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Reversible Overlap Pilot pressure MPa Overlap Pilot pressure Any Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Overlap Pilot pressure MPa Overlap Pilot pressure MPa Any Non-detenting Any Any Any Any Any Any Any Any Any An	
Sealing principle Soft Mounting position Any Manual override Type of control Pilot-controlled Pilot air supply port External Flow direction Symbol Lap Overlap Pilot pressure MPa Pilot pressure Max. switching frequency Switching time off On switching time Max. positive test pulse on 1 signal Operating medium Soft Any Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Polit-controlled Polit -controlled Polit	
Mounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleSymbol00991026LapOverlapPilot pressure MPa0.3 MPa 1 MPaPilot pressure3 bar 10 barMax. switching frequency3 HzSwitching time off22 msOn switching time27 msMax. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:x-1]	
Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleSymbol00991026LapOverlapPilot pressure MPa0.3 MPa 1 MPaPilot pressure3 bar 10 barMax. switching frequency3 HzSwitching time off22 msOn switching time27 msMax. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:x	
Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991026 Lap Overlap Pilot pressure MPa Pilot pressure 3 bar 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4	
Pilot air supply port External Flow direction Reversible Symbol O0991026 Lap Overlap Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 7 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4	
Flow direction Reversible Symbol 00991026 Lap Overlap Pilot pressure MPa Pilot pressure 3 bar 1 MPa Max. switching frequency 3 Hz Switching time off 22 ms On switching time 7 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Reversible Supplication And Pa Bar 1 MPa Bar 10 bar Bar 10 b	
Symbol 00991026 Lap Overlap Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 3700 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4:45]	
Lap Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Overlap Overl	
Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Operating medium 0.3 MPa 1 MPa 2 ms 22 ms 22 ms Ans. 200 µs Max. negative test pulse on 1 signal 3700 µs Compressed air as per ISO 8573-1:2010 [7:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4	
Pilot pressure 3 bar 10 bar Max. switching frequency 3 Hz Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 3700 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4	
Max. switching frequency3 HzSwitching time off22 msOn switching time27 msMax. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4	
Switching time off 22 ms On switching time 27 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium 2200 µs 3700 µs Compressed air as per ISO 8573-1:2010 [7:4:4]	
On switching time27 msMax. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:	
Max. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:α	
Max. negative test pulse on 1 signal3700 μsOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:	
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4	
	4]
Information on operating and pilot media Operation with oil lubrication possible (requir	ed for further use)
Corrosion resistance class (CRC) 1 - Low corrosion stress	
Storage temperature -40 °C 60 °C	
Temperature of medium -10 °C 60 °C	
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4	4]
Ambient temperature -5 °C 40 °C	
Product weight 280 g	
Electrical connection Via F coil, to be ordered separately	

Feature	Value
Type of mounting	Optionally: On PR rail With through-hole
Pilot exhaust air port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum