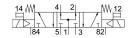
Air solenoid valve MFH-5/3B-3/8-B Part number: 19709

FESTO





Data sheet

Electrical Width 40 mm Atandard nominal flow rate 2600 l/min Deprating pressure 0.3 MPa 1 MPa Deprating pressure 3 bar 10 bar Piston gate valve Esset method Mechanical spring Width dimension 41 mm Width dimension 41 mm Width dimension With flow control option Scaling principle Soft Anny Annual override Non-detenting Pioto control Pioto-controlled Internal How direction Non-reversible Symbol 0991034 App Overlap Ans. switching frequency 3 Hz Substituting time off 118 ms Diswitching time off 118 ms Diswitching time off 25 ms Diswitching time off 27 ms Diswitching time off 27 ms Diswitching time dilum Compressed air as per ISO 8573-1:2010 [7:4:4] Disperating emperature 40 °C 60 °C Emperature of medium 1-0 °C 60 °C Emperature of medium control of control With fire Co 60 °C Emperature of medium 1-0 °C 60 °C Lance of the control of control of control operation with oil lubrication possible (required for further use) Disperature of medium 1-0 °C 60 °C Lance of the control of control of control operation with oil lubrication possible (required for further use) Disperature of medium 1-0 °C 60 °C Lance of the control of contro	Feature	Value
Advidith 40 mm Standard nominal flow rate 2600 l/min Standard nominal flow rate 263/8 Superating pressure 3.3 Mar 10 Mar. Superating pressure 9.3 Mar 10 Mar. Structural design Piston gate valve Steet method Mechanical spring Structural design Piston gate valve Steet method Mechanical spring Superating profits 12 mm Stuffith dimension 4.1 mm Superating profits 12 mm Superating profits 200 ft Superating profits 200 ft Superating profits 200 ft Superating profits 200 ft Superating position Any Non-detenting 200 ft Superating profits 200 ft Superating profits 200 ft Superating profits 200 ft Superating profits 200 ft Superating superating 200 ft Superating superating 200 ft Superating frequency 3.1 Hz Superating superating 25 ms Superating superating 25 ms Superating superating 200 ps Superating superating 200 ps Superating superating 200 ps Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Superating med	Valve function	5/3, pressurized
Standard nominal flow rate Preumatic working port Preumatic working port Preumatic working pressure Preumatic pressure Principal Standard nominal flow rate Preumatic working pressure Principal Standard nominal flow rate Pressure Principal Standard nominal flow rate Priston gate valve Priston gate Priston gate valve Priston gate Priston gate valve Priston gate valve Priston gate Pr	Actuation type	Electrical
Aneumatic working port Operating pressure Operating pressure Operating pressure 3 bar 10 bar Piston gate valve Reset method Mechanical spring Norminal width 12 mm Nidth dimension 41 mm Viye code MFH Schaust air function Schaust air function Soft Any Manual override Non-detenting Vipe of control Pilot-controlled Internal Now direction Non reversible Operating frequency Ans. switching frequency 3 Hz Soft Onwitching time off 118 ms On switching time Ans. positive test pulse with 0 signal Ans. negative test pulse on 1 signal Operation Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) Interc 60 °C Land Counting and pollot media Operation with oil ubrication specials Ans. Considered Ans. Considered Ans. Considered Ans. Considered Ans. Considered Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) Interconsidered Ans. Considered An	Width	40 mm
Operating pressure Operating of operating operating operating of operating operating operating of operating operating of operating operating operating of operating op	Standard nominal flow rate	2600 l/min
Sperating pressure Structural design Piston gate valve Reset method Mechanical spring Romanical spring Roman	Pneumatic working port	G3/8
Reset method Re	Operating pressure	0.3 MPa 1 MPa
Mechanical spring Nominal width 12 mm Width dimension 41 mm Wight dimension 41 mm With flow control option Soft Anounting position Any Manual override You of control Pilot-controlled Pilot air supply port Internal Non-reversible Overlap Max. switching frequency Max. switching frequency Withing time off Changeover time Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Torrosion resistance class (CRC) Internal Any Mechanical spring MFH MFH MFH MFH MFH MFH MFH MF	Operating pressure	3 bar 10 bar
Nominal width 12 mm Vidth dimension 41 mm Vipe code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Vipe of control Pilot-controlled Violat air supply port Internal Non-reversible Viymbol 00991034 Aap Overlap Max. switching frequency 3 Hz Vivitching time off 118 ms On switching time 78 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] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) For control of the control option And the control option MFH With flow control option MFH With flow control option Soft Any Max. positive test pulse with 0 signal 3700 µs Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Forosion resistance class (CRC) 1 · Low corrosion stress Forosion resistance class (CRC) 1 · Low corrosion stress Forosion resistance class (CRC) 1 · Low corrosion stress Forosion resistance of medium - 10 °C 60 °C Formperature of medium - 10 °C 6	Structural design	Piston gate valve
Width dimension 4 1 mm Appe code MFH Achaust air function With flow control option Soft Any Manual override Yope of control Pilot-controlled Pilo	Reset method	Mechanical spring
ype code MFH Exhaust air function With flow control option Soft Any Anual override Yope of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Pilot with flow direction Non-reversible Soymbol Apply Any Any Any Overlap Any Any Any Any Any Any Any An	Nominal width	12 mm
Axia sustain function With flow control option Sealing principle Anny Annual override Non-detenting Ype of control Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Overlap Axia. switching frequency Axia. switching time off Internal Changeover time Axia. positive test pulse with 0 signal Axia. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) I - Low corrosion stress Compressed temperature 40 °C 60 °C Compressed are perature Axia. Sealing and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance of medium Axia. possible (required for further use) Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) Compressed air as per ISO 8573-1:2010 [7:4:4] Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) I - Low corrosion stress Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:4] Corrosion resistance class (CRC) Compressed air as per ISO 8073-1:2010 [7:4:	Width dimension	41 mm
Soft Mounting position Any Manual override Non-detenting Vipe of control Pilot-controlled Pilot air supply port Internal Non-reversible Overlap Max. switching frequency Witching time off Changeover time 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] Corrosion resistance class (CRC) Comperating emerature 40 °C 60 °C Comperating medium Comperature of medium Comperature Comperature of medium Comperature of me	Type code	MFH
Any Mounting position Any Manual override Mon-detenting Pilot-controlled Pilot controlled Pilot controlled Pilot controlled Pilot-controlled Pilot controlled Pilot c	Exhaust air function	With flow control option
Manual override Mon-detenting Pilot-controlled Pilot-controlled Internal Non-reversible Mon-reversible	Sealing principle	Soft
Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Overlap Max. switching frequency Switching time off Changeover time 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] Corrosion resistance class (CRC) I - Low corrosion stress Storage temperature Max. bilot air supply port Internal Non-reversible Non-r	Mounting position	Any
Internal Non-reversible Non-reversible Operating frequency Asx. switching frequency Similar direction Non-reversible Overlap Asx. switching frequency Similar direction Non-reversible Overlap Asx. switching frequency Similar direction Similar dire	Manual override	Non-detenting
Non-reversible Operating frequency Ax. switching frequency 3 Hz Changeover time Ax. positive test pulse with 0 signal Ax. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Corrosion resistance class (CRC) 1 - Low corrosion stress Change temperature 4 More Changeover Compressed of Compressed Comp	Type of control	Pilot-controlled
Symbol 00991034 Lap Overlap Max. switching frequency 3 Hz Switching time off 118 ms On switching time 25 ms Changeover time 78 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] Operating not on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Semperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Pilot air supply port	Internal
Overlap Max. switching frequency 3 Hz Switching time off 118 ms 25 ms Changeover time 78 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] Operating on o operating and pilot media Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature 40 °C 60 °C Semperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Flow direction	Non-reversible
Max. switching frequency 3 Hz Switching time off 118 ms 25 ms Changeover time 78 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] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Symbol	00991034
Switching time off In switching time In switching	Lap	Overlap
25 ms Changeover time 78 ms Aux. positive test pulse with 0 signal 2200 μs Aux. negative test pulse on 1 signal 3700 μs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Max. switching frequency	3 Hz
Thangeover time 78 ms Aux. positive test pulse with 0 signal 2200 μs Aux. negative test pulse on 1 signal 3700 μs Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Switching time off	118 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] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	On switching time	25 ms
Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Changeover time	78 ms
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Max. positive test pulse with 0 signal	2200 μs
Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C -3 °C 40 °C	Max. negative test pulse on 1 signal	3700 μs
Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C -10 °C 60 °C -5 °C 40 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Storage temperature -40 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
remperature of medium -10 °C 60 °C -5 °C 40 °C	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature -5 °C 40 °C	Storage temperature	-40 °C 60 °C
·	Temperature of medium	-10 °C 60 °C
	Ambient temperature	-5 °C 40 °C
roduct weight 780 g	Product weight	780 g
Electrical connection Via F coil, to be ordered separately	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 82	M5
Pilot exhaust air port 84	M5
Pneumatic connection 1	G3/8
Pneumatic connection 2	G3/8
Pneumatic connection 3	G3/8
Pneumatic connection 4	G3/8
Pneumatic connection 5	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum