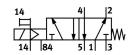
Air solenoid valve MFH-5-1/4-S Part number: 10349







General operating condition

Data sheet

Actuation type Electrical Width 30.5 mm Standard nominal flow rate 1000 l/min Pneumatic working port G1/4 Operating voltage Via solenoid coil, to be ordered separately Operating pressure Operating pressure Operating pressure Obar 8 bar Structural design Reset method Mechanical spring Certification Cult us - Recognized (OL) Degree of protection Pie65 Nominal width 7 mm Width dimension 32 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot air supply port Elow direction Non-reversible Symbol O9991024 Lap Underlap Underlap Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa D-1.5 bar 0.8 MPa Underlap Underlap Underlap Underlap Underlap Oct on witching time 9 ms Max. positive test pulse with 0 signal Any operation yes Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Corrosion resistance class (CRC) 1-Low corrosion stress	Feature	Value
Standard nominal flow rate 1000 l/min Preumatic working port Operating yotage Operating yotage Operating pressure Operating pressure Operating pessure Obar 8 bar Structural design Plate seat Reset method Mechanical spring Certification Cult us - Recognized (OL) Degree of protection IP65 Nominal width 7 mm With flow control option Sealing principle Soft Mounting position Any Manual override Operating supply port External Flood direction Non-reversible Symbol Operating and pilot media Operating time off On switching time off On switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Operation media to with old pressible (required for further use) Corrossion resistance class (CRC) 1 - Low corrossion stresss	Valve function	5/2, monostable
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Preumatic working port Operating voltage Via solenoid coil, to be ordered separately Operating pressure Operating pressure Oberating pressure Obar 8 bar Structural design Plate seat Reset method Mechanical spring Certification Cull us - Recognized (OL) Degree of protection IP65 Nominal width 7 mm Width dimension Saling principle Soft Mounting position Manual override Detenting Flipt control Pilot controlled Pilot air supply port External Flow direction Non-reversible Operating medium One switching time Value O.19 Cvalue Value One switching time Pms Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 0 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) 1 - Low corrosion stress	Width	30.5 mm
Operating voltage Via solenoid coil, to be ordered separately Operating pressure O MPa 0.8 MPa Operating pressure O bar 8 bar Structural design Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection IP65 Nominal width 7 mm Width dimension Exhaust air function Sealing principle Soft Mounting position Manual override Detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991024 Llap Pilot pressure MPa O.15 MPa 0.8 MPa D-Value O.19 C value 4.49 I/sbar Switching time off On switching time 9 ms Max. positive test pulse on 1 signal Zoreration resistance class (CRC) Via S varies Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress	Standard nominal flow rate	1000 l/min
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Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection PP65 Nominal width 7 mm Width dimension 32 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991024 Lap Underlap Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure MPa Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure MPa Value 4.49 I/sbar Switching time off 29 ms On switching time Max. negative test pulse with 0 signal 3700 µs Goord For Filot Medical Production Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1-Low corrosion stress	Operating pressure	0 MPa 0.8 MPa
Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection D	Operating pressure	0 bar 8 bar
certification c UL us - Recognized (OL) Degree of protection IP65 Nominal width 7 mm Width dimension 32 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991024 Luap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms On switching time Max. positive test pulse with 0 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately 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	Structural design	Plate seat
Degree of protection IP65 Nominal width 7 mm Width dimension 32 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Lap Underlap Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value 0.19 C value 4.49 I/sbar Switching time off 0.0 switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Reset method	Mechanical spring
Nominal width 7 mm Width dimension 32 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991024 Lap Underlap Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms Max. positive test pulse with 0 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately Corrosion resistance class (CRC) 1- Low corrosion stress	Certification	c UL us - Recognized (OL)
With dimension Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol Oog91024 Lap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value C value 4.49 I/sbar Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Degree of protection	IP65
Exhaust air function Sealing principle Soft Mounting position Many Manual override Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991024 Lap Underlap Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value C value Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Operating medium C 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	Nominal width	7 mm
Sealing principle Soft Mounting position Any Manual override Detenting Pilot-controlled Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol Lap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure b-value O.19 C value 4.49 I/sbar Switching time off 29 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Operating medium C compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) 1 - Low corrosion stress	Width dimension	32 mm
Mounting position Manual override Detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Lap Underlap Pilot pressure MPa Pilot pressure b-value C value 4.49 I/sbar Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 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) Pilot-controlled Pilot-controlle Pilot-controlled Pilot-controlle Pilot-control	Exhaust air function	With flow control option
Manual override Type of control Type of control Pilot air supply port External Flow direction Non-reversible Symbol O9991024 Lap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure D-value D-val	Sealing principle	Soft
Pilot control Pilot-controlled External Flow direction Non-reversible Symbol O0991024 Lap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value O.19 C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 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) 1-Low corrosion stress	Mounting position	Any
External Flow direction Non-reversible Symbol O0991024 Lap Underlap Underlap Pilot pressure MPa O.15 MPa 0.8 MPa Pilot pressure Devalue O.19 C value 4.49 l/sbar Switching time off On switching time 9 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Switch Shar Surface Underlap Underl	Manual override	Detenting
Non-reversible	Type of control	Pilot-controlled
Symbol 00991024 Lap Underlap Pilot pressure MPa 0.15 MPa 0.8 MPa Pilot pressure 1.5 bar 8 bar b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal 2200 μs Max. negative test pulse on 1 signal 3700 μs Coil characteristics See solenoid coil, to be ordered separately Operating medium Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress	Pilot air supply port	External
Underlap O.15 MPa 0.8 MPa Pilot pressure MPa O.15 MPa 0.8 MPa 1.5 bar 8 bar b-value O.19 C value 4.49 l/sbar Switching time off On switching time 9 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) Underlap 0.15 MPa 0.8 MPa 1.5 bar 8 bar 0.19 2.9 ms 2.9 ms 9 ms 2.200 µs 3700 µs Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use)	Flow direction	Non-reversible
Pilot pressure MPa 0.15 MPa 0.8 MPa 1.5 bar 8 bar b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) 0.19 4.49 l/sbar 29 ms 3700 µs 2200 µs 3700 µs 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	Symbol	00991024
Pilot pressure 1.5 bar 8 bar b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Lap	Underlap
b-value 0.19 C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal 2200 μs Max. negative test pulse on 1 signal 3700 μs Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Pilot pressure MPa	0.15 MPa 0.8 MPa
C value 4.49 l/sbar Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal 2200 μs Max. negative test pulse on 1 signal 3700 μs Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Pilot pressure	1.5 bar 8 bar
Switching time off 29 ms On switching time 9 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse on 1 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	b-value	0.19
On switching time 9 ms Max. positive test pulse with 0 signal 2200 μs Max. negative test pulse on 1 signal 3700 μs Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	C value	4.49 l/sbar
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately 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	Switching time off	29 ms
Max. negative test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	On switching time	9 ms
Coil characteristics See solenoid coil, to be ordered separately 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) 1 - Low corrosion stress	Max. positive test pulse with 0 signal	2200 μs
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) 1 - Low corrosion stress	Max. negative test pulse on 1 signal	3700 μs
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress	Coil characteristics	See solenoid coil, to be ordered separately
Corrosion resistance class (CRC) 1 - Low corrosion stress	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)
LABS (PWIS) conformity VDMA24364-B1/B2-L	Corrosion resistance class (CRC)	1 - Low corrosion stress
	LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Storage temperature	-20 °C 60 °C
Temperature of medium	-10 °C 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 ℃ 40 ℃
Product weight	290 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Optionally: On terminal strip With through-hole
Pilot exhaust air port 84	M5
Pilot air port 14	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR TPE-U(PU)
Housing material	Die-cast aluminum