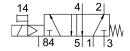
Air solenoid valve MFH-5-1/8 Part number: 9982

FESTO





Data sheet

Actuation type Electrical	Feature	Value
Avidith 26 mm Standard nominal flow rate 5001/min Standard nominal flow rate 5001/min Operating voltage Via solenoid coil, to be ordered separately Operating pressure 1.8 bar 8 bar Design Plate seat Reset method Mechanical spring Design Plate seat Oction Post of protection Ple5 Certification CUL us - Recognized (OL) Nominal width 5 mm Width dimension 27 mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Flow direction Non-reversible Symbol O0991035 Underlap no Switching time off 0 ms On switching time off 0 ms On switching time off 0 signal 3700 µs Max. positive test pulse with 0 signal 3700 µs Max. positive test pulse on 1 signal 3700 µs Coorposin resistance class (CRC) 1 - Low corrosion stress Corrosion resistance class (CRC) 1 - Low corrosion stress Corrosion resistance class (CRC) 1 - Low corrosion stress Van Soul Culture of Product weight 270 g	Valve function	5/2, monostable
Standard nominal flow rate Pneumatic working port G1/8 Operating pressure I.8 bar 8 bar Design Plate seat Reset method Mechanical spring Degree of protection IP65 Certification Cut us - Recognized (OL) Nominal width Smm Nominal width Smm Nominal width Width dimension Zy mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Mounting position Mounting position Mounting position Mounting the Control Pilot-controlled Type of control Pilot-controlled Symbol Underlap Non-reversible Symbol Opsylops Switching time off On switching time 8 ms Max. positive test pulse with 0 signal Max. negative 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 Operating medium 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 Storage temperature I-Operating medium Information on operating and pilot media Operation with oil lubrication possible (required for further use) Product weight Ambient temperature I-Operating medium Information of Cut 60 °C Interpretature of medium Information of Cut 60 °C Interpretature of medium Information of Cut 60 °C Interpretature of medium Interpretature I-Operating medium Information of Cut 60 °C Interpretature I-Operating medium Interpretature I-Operating medium Interpretature I-Operating medium Interpr	Actuation type	Electrical
Preumatic working port Deparating voltage Via solenoid coil, to be ordered separately Uperating pressure 1.8 bar 8 bar Design Plate seat Reset method Mechanical spring Degree of protection Pf65 Certification Cult us - Recognized (OL) Nominal width S mm With dimension 27 mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Type of control Pilot-controlled Plow direction Non-reversible Symbol Dospitus Switching time off On switching time 8 ms Max. negative test pulse with 0 signal Any. negative test pulse with 0 signal Any. negative test pulse with 0 signal Soperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication spossible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Ambient temperature -5 °C 40 °C Product weight Product weight Product weight Product weight 270 g	Width	26 mm
Departing voltage Via solenoid coil, to be ordered separately Departing pressure 1.8 bar 8 bar Plate seat Reset method Deergee of protection IP65 Certification Cult us - Recognized (OL) Nominal width 5 mm Width dimension 27 mm Type code MFH Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting Eyope of control Eyope of control Eyow of Control Eyow of Control Eyow of Control Symbol Oo991035 Underlap no Switching time off On switching time Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. positive 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 Corrosion resistance class (CRC) 1 Low corrosion stress Characteristice Compressed are sper 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 Corrosion resistance class (CRC) 1 Low corrosion stress Corrosion resistance class (CRC) 1 Low corrosion stress Ambient temperature -20 °C 60 °C Emperature of medium 10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Standard nominal flow rate	500 l/min
Design Plate seat Reset method Mechanical spring Degree of protection IP65 Certification CUL us - Recognized (OL) Nominal width 5 mm Width dimension 27 mm Wighth dimension With Mounting position Any Bealing principle Soft Mounting position Any Manual override Detenting Pilot-controlled Pilot-controlled Pilot-controlled Non-reversible Symbol Onespecial	Pneumatic working port	G1/8
Plate seat Reset method Mechanical spring Degree of protection IP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Nidth dimension 127 mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Flow direction Non-reversible Symbol Underlap no Switching time off Ons switching time off Max, positive test pulse with 0 signal Max, negative test pulse with 0 signal Max, negative test pulse on 1 signal Coil characteristics Deperating 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) The World of Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance class (CRC) 1 - Low corrosion stress Storage temperature -20 °C 60 °C Ambient temperature -5 °C 40 °C Product weight Product weight	Operating voltage	Via solenoid coil, to be ordered separately
Reset method Mechanical spring Degree of protection Degree of protection Degree of protection Certification Cult us - Recognized (OL) Nominal width Smm Width dimension Z7 mm With flow control option Sealing principle Soft Mounting position Manual override Detenting Detenting Detenting Detenting Detenting Detenting Despiration Non-reversible Symbol Oo991035 Underlap no Switching time off On switching time 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 resistance class (CRC) Corrosion resistance class (CRC) Corrosion resistance class (CRC) Compressed air sper ISO 8573-1:2010 [7:4:4] Corrosion resistance class (CRC) Corrosion resistance	Operating pressure	1.8 bar 8 bar
Degree of protection PP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 27 mm Fype code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Fype of control Pilot-controlled Flow direction Non-reversible Symbol 00991035 Underlap no Switching time off 36 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 0 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately Corrosion resistance class (CRC) 1-Low corrosion stress Storage temperature 20 °C 60 °C Ambient temperature Froduct weight Product weight Product weight Product weight Product weight Product weight Day mm 27 mm MFH MFH MFH MFH MFH MFH MFH M	Design	Plate seat
Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 27 mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Flow direction Non-reversible Symbol 00991035 Underlap no Switching time off 36 ms On switching time off 36 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 0 signal 3700 µs Coil characteristics See solenoid coil, to be ordered separately Deperating 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) Storage temperature -20 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Reset method	Mechanical spring
Nominal width 5 mm Width dimension 27 mm Type code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Flow direction Non-reversible Symbol 00991035 Underlap no Switching time off 36 ms Switching time 8 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 Deperating 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) Storage temperature -20 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Degree of protection	IP65
Width dimension If yoe code MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Type of control Flow direction Non-reversible Symbol Underlap No Switching time off On switching time Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Coil characteristics See solenoid coil, to be ordered separately Corrosion resistance class (CRC) I - Low corrosion stress Storage temperature -20 °C 60 °C Imperature of medium Ambient temperature -5 °C 40 °C Product weight Product weight With flow control option With flow control option With flow control option Soft Any MFH With flow control option Soft Any May Detenting Soft Any May Detenting Non-reversible Soft Non-reversible Soft ms	Certification	c UL us - Recognized (OL)
Exhaust air function MFH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot-controlled Flow direction Non-reversible Symbol 00991035 Underlap no Switching time off 36 ms On switching time 8 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 Coperating 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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Nominal width	5 mm
Exhaust air function Sealing principle Mounting position Any Manual override Detenting Iype of control Flow direction Switching time off On switching time Max. positive test pulse on 1 signal Coil characteristics Deparating medium Corrosion resistance class (CRC) Storage temperature Product weight With flow control option With flow control option Soft Any Max hy Detenting Pilot-controlled Non-reversible Operating Non-reversible Operating size See solenoid coil, to be ordered separately Operation with oil lubrication possible (required for further use) The corrosion resistance class (CRC) Product weight With flow control option Soft Any May Biff flow control option Soft Any Any May Detenting Non-reversible Sopontrolled Any Sopontrolled Any Detenting Non-reversible Sopontrolled Any Sopontrolled Any Sopontrolled Any Detenting Sopontrolled Any Sopontrolled Any Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) The compressed air as per ISO 8573-1:2010 [7:4:4] The compression resistance class (CRC) The compress	Width dimension	27 mm
Sealing principle Mounting position Any Manual override Detenting Pilot-controlled Flow direction Non-reversible Symbol Underlap Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Derating 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 -20 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Type code	MFH
Mounting position Any Manual override Detenting Pilot-controlled Flow direction Non-reversible Symbol Underlap Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Deparating 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 -20 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Exhaust air function	With flow control option
Manual override Type of control Pilot-controlled Non-reversible Symbol Oog91035 Underlap No 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) Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Sealing principle	Soft
Flow direction Non-reversible Operating medium Corrosion resistance class (CRC) Storage temperature Conductive lend to the direction operating and pilot media Corrosion resistance of medium Corrosion resistance of case (CRC) Corrosion	Mounting position	Any
Non-reversible Opp1035 Underlap On switching time off On switching time 8 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) The Low corrosion stress Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Manual override	Detenting
Symbol 00991035 Underlap no Switching time off 36 ms On switching time 8 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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Type of control	Pilot-controlled
Information on operating and pilot media Corrosion resistance class (CRC) Corrosion resistance class (CRC) Corrosion resistance of medium Corrosion resist	Flow direction	Non-reversible
Switching time off 36 ms On switching time 8 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 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 -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight	Symbol	00991035
On switching time8 msMax. positive test pulse with 0 signal2200 μsMax. negative test pulse on 1 signal3700 μsCoil characteristicsSee solenoid coil, to be ordered separatelyOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressStorage temperature-20 °C 60 °CTemperature of medium-10 °C 60 °CAmbient temperature-5 °C 40 °CProduct weight270 g	Underlap	no
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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Switching time off	36 ms
Max. negative test pulse on 1 signal 3700 µs 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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	On switching time	8 ms
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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Max. positive test pulse with 0 signal	2200 μs
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 -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight -20 °G	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 Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Coil characteristics	See solenoid coil, to be ordered separately
Corrosion resistance class (CRC) 1 - Low corrosion stress Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Storage temperature -20 °C 60 °C Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Temperature of medium -10 °C 60 °C Ambient temperature -5 °C 40 °C Product weight 270 g	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature -5 °C 40 °C Product weight 270 g	Storage temperature	-20 ℃ 60 ℃
Product weight 270 g	Temperature of medium	-10 °C 60 °C
	Ambient temperature	-5 °C 40 °C
Electrical connection Via F coil, to be ordered separately	Product weight	270 g
	Electrical connection	Via F coil, to be ordered separately

Feature	Value
Type of mounting	On terminal strip With through-hole Optionally:
Pilot exhaust air port 82	M5
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 TPE-U(PU)
Housing material	Die-cast aluminum