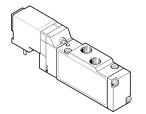
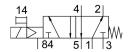
Air solenoid valve MEH-5/2-1/8-P-I-B Part number: 173404

FESTO





Data sheet

Actuation type Electrical Width 17.8 mm Standard nominal flow rate Pneumatic working port G1/8 Operating voltage Operating pressure Design Piston gate valve Reset method Mechanical spring Degree of protection Certification c UL us - Recognized (OL) Nominal width S mm Type code MEH Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via supely port Ellow direction Non-reversible Symbol Oo991035 Pilot pressure D-value O.36 Cvalue Switching time On witching time Duty cycle Coil characteristics Operating and pilot media Operating and pilot media Operation with in Ilubrication possible (required for further use) Information on operating and pilot media Operation with oil lubrication possible (required for further use)	Feature	Value
Actuation type Electrical 17.8 mm 17.8 m	Valve function	5/2, monostable
Width 17.8 mm Standard nominal flow rate 600 l/min Pneumatic working port G1/8 Operating yottage 24V DC Operating pressure 3 bar 8 bar Design Piston gate valve Reset method Mechanical spring Degree of protection PiP65 Certification CUL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 0.36 C value 2.55 lr 3 8 bar Duty cycle 0.09 switching time off 0.09 switching time off 0.09 switching time off 0.09 switching time off 0.09 switching itme off 0.09 switching itme off 0.00 perating medium (Compressed air as per ISO 8573-1:2010 [7:4:4] online internal information on operating and pilot media 0.09 peration with severity level 1 as per FN 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Lap	Overlap
Standard nominal flow rate 600 l/min Pneumatic working port 61/8 Operating yoltage 24V DC Operating pressure 3 bar 8 bar Design Piston gate valve Reset method Mechanical spring Degree of protection IP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar Switching time off 00 ms On switching time Unity cycle 100% Coll characteristics 24 V DC: 0.95 W Operating medium Competent Note the with severity level 1 as per FN 942017-5 and EN 60068-2-27 Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Actuation type	Electrical
Pneumatic working port Operating voltage Operating pressure 3 bar 8 bar Design Piston gate valve Reset method Mechanical spring Degree of protection IP65 Certification Certification Cult us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991035 Pilot pressure Devalue 0.36 C value 2.55 I/sbar Switching time off On switching time 100% Coil characteristics 2 a V DC: 0.95 W Operating medium Internate on operating and pilot media Operation with oil ubrication resyr level 2 as per FN 942017-5 and EN 60068-2-27 Filot certification test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Filot certification test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Width	17.8 mm
Operating voltage 24V DC Operating pressure 3 bar 8 bar Design Piston gate valve Reset method Mechanical spring Degree of protection IP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 I/sbar Switching time off 50 ms On switching time off 50 ms On switching time 20 ms Duty cycle 100% Coll characteristics 24 V DC: 0.95 W 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) Vibration resistance Shock resistance Shock test wi	Standard nominal flow rate	600 l/min
Operating pressure 3 bar 8 bar Design Piston gate valve Reset method Mechanical spring Degree of protection IP65 Certification c.U. u.s Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 lyshar Switching time off 50 ms On switching time off 50 ms On switching time 20 ms Duty cycle 100% Coll characteristics 24 V DC: 0.95 W Operating medium Operating medium no operating and pilot media Operation with oil Univication possible (required for further use) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-26 Shock test with severity level 2 as per FN 942017-5 and EN 600	Pneumatic working port	G1/8
Piston gate valve Reset method Mechanical spring Degree of protection IP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 Cvalue 2.55 I/sbar Switching time off 50 ms On switching time off 50 ms Out off control power of the pressed of the pressure 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compersor No 12 sper FN 942017-4 and EN 60068-2-6 Shock resistance Shock rest with severity level 1 as per FN 942017-5 and EN 60068-2-27	Operating voltage	24V DC
Reset method Degree of protection IP65 Certification Cultus - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 1/sbar Switching time off On switching time Duty cycle Coil characteristics Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Operating pressure	3 bar 8 bar
Degree of protection IP65 Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar D-value 0.36 C Value 2.55 I/Sbar Switching time off 50 ms On switching time 0ff 50 ms Outpride 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compets With Severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance MEH Sum	Design	Piston gate valve
Certification c UL us - Recognized (OL) Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar D-value 0.36 C value 2.55 ly/sbar Switching time off 50 ms On switching time off 20 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Reset method	Mechanical spring
Nominal width 5 mm Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot controlled Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 0 On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Comperating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Shock test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Degree of protection	IP65
Width dimension 18 mm Type code MEH Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 I/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Certification	c UL us - Recognized (OL)
Type code Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 I/sbar Switching time off On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Nominal width	5 mm
Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 00 switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance With flow control option Soft Any With flow control option Soft Any Many Soft Any Meny Soft Any Non-reversible 00991035 2.5 bar 8 bar 0.36 C value 2.5 b l/sbar Som B Ome Composition on Soft Composition on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Shock resistance Shock resist with severity level 1 as per FN 942017-5 and EN 60068-2-27	Width dimension	18 mm
Sealing principle Soft Mounting position Any Manual override Detenting via accessory Type of control Pilot-controlled Pilot dir supply port Internal Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Type code	MEH
Mounting positionAnyManual overrideDetenting via accessoryType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991035Pilot pressure2.5 bar 8 barb-value0.36C value2.55 l/sbarSwitching time off50 msOn switching time20 msDuty cycle100%Coil characteristics24 V DC: 0.95 WOperating 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)Vibration resistanceTransport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Exhaust air function	With flow control option
Manual override Type of control Pilot-controlled Pilot air supply port Internal Non-reversible Symbol O9991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off On switching time 20 ms Duty cycle 100% Coil characteristics Question and pilot media Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Sealing principle	Soft
Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol O0991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Mounting position	Any
Pilot air supply port Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-27	Manual override	Detenting via accessory
Flow direction Non-reversible Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Type of control	Pilot-controlled
Symbol 00991035 Pilot pressure 2.5 bar 8 bar b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Pilot air supply port	Internal
Pilot pressure b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Flow direction	Non-reversible
b-value 0.36 C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Symbol	00991035
C value 2.55 l/sbar Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Pilot pressure	2.5 bar 8 bar
Switching time off 50 ms On switching time 20 ms Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	b-value	0.36
On switching time Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	C value	2.55 l/sbar
Duty cycle 100% Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Switching time off	50 ms
Coil characteristics 24 V DC: 0.95 W 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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	On switching time	20 ms
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) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Duty cycle	100%
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Coil characteristics	24 V DC: 0.95 W
Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
	Vibration resistance	
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
	Corrosion resistance class (CRC)	2 - Moderate corrosion stress

Feature	Value
Storage temperature	-20 °C 40 °C
Temperature of medium	-5 °C 50 °C
Noise level	75 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C 50 °C
Product weight	105 g
Electrical connection	Connection diagram form C as per industrial standard, 9.4 mm Plug Rectangular design
Type of mounting	On terminal strip
Pilot exhaust air port 82/84	Sub-base
Pneumatic connection 1	Sub-base
Pneumatic connection 2	G1/8
Pneumatic connection 3	Sub-base
Pneumatic connection 4	G1/8
Pneumatic connection 5	Sub-base
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum