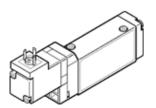
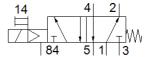
solenoid valve MEBH-5/2-5,0-B-110AC Part number: 173071

FESTO

With solenoid coil and manual override, without plug socket.





Data sheet

Valve function Type of actuation Valve function Valve Val	Feature	Value
Midth	Valve function	5/2 monostable
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Authorisation CE mark (see declaration of conformity) to EU directive low-voltage devices Protection class IP65 Nominal size S	Type of actuation	electrical
Operating pressure 2.5 8 bar Design structure Piston slide Type of reset mechanical spring Authorisation cUL us - Recognized (OI) CE mark (see declaration of conformity) to EU directive low-voltage devices Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Type of piloting Piloted Type of piloting Piloted Type of piloting Piloted Protestive overlap Piloted Plot air supply Intermal Flow direction non reversible Overlap Positive overlap Plot pressure 2.5 8 bar b value 0.38 C value 2.75 l/sbar Switching time off 28 ms Switching time off 28 ms Switching time on 10 ms	Width	17.8 mm
Design structure Type of reset mechanical spring Luture (U. us - Recognized (OL) Let mark (see declaration of conformity) To EU directive low-voltage devices Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Ekhaust-air function Sealing principle Sealing principle Assembly position Anny Manual override With accessories, detenting Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive in ordinal sprinciple Switching time off 28 ms Switching time off Switching time off 10 ms Duty cycle 100 % Characterístic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Urbardion resistance Shock resistance Shock resistance Shock resistance Shock sets with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2 Cornosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature 9 - 20 40 °C Sound pressure level Product weight Flow green the resistance of the Entry of Compressed air in accordance with ISO8573-1:2010 [7:4:4] Product weight Flore delum Compressed air in accordance with FN 942017-5 and EN 60068-2-2 Composion resistance classification CRC 2 - Moderate corrosion stress Storage temperature 9 - 20	Standard nominal flow rate	700 l/min
Type of reset Authorisation CUL us - Recognized (OL) CE mark (See declaration of conformity) De EU directive low-voltage devices Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-air function Sealing principle Sealing principle Assembly position Any Manual override With accessories, detenting Piloted Pilot air supply Internal Rlow direction Overlap Positive overlap Pilot pressure 2.5 8 bar David Use Switching time off Switching time on Duty cycle 100 % Characteristic coil data Operating medium Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Storage temperature Positive recording compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature Positive log plug plug plug plug plug plug plug plu	Operating pressure	2.5 8 bar
Authorisation c UL us - Recognized (OL) CE mark (see declaration of conformity) To EU directive low-voltage devices Protection class IP65 Nominal size S mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Type of piloting Pilot air supply Internal Flow direction Overlap Pilot pressure Davide Switching time of Duty cycle Characteristic coil data Operating medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Medium temperature Sound pressure Pilot medium Medium temperature For delice Medium temperature For delice Medium temperature For delice For	Design structure	Piston slide
CE mark (see declaration of conformity) Protection class IP65 S mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Tipe of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Pilot pressure 1.5 m. 8 bar 0.38 C value 2.75 1/sbar Switching time on Duty cycle 100 Apsendium Operating medium Operating and pilot medium Vibration resistance Shock resistance Shock resistance Ambient temperature 1.5 m. 80 C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1.5 m. 60 C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1.5 m. 60 C Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Medium temperature 1.5 m. 50 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Compressure level 7.5 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 2. 5 m. 50 °C Sound pressure level 7.5 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 3. m. 50 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 3. m. 50 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 3. m. 50 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 3. m. 50 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 3. m. 50 °C Product weight Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Type of reset	mechanical spring
Protection class Nominal size 5 mm Grid dimension 18 mm Exhaust air function Sealing principle Soft Any Manual override With accessories, detenting Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Pilot pressure 1.5 8. Bar Switching time off Switching time on Duty cycle 100 % Sutching time on Duty cycle 110 VAC Derating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operature Shock resistance Shock resistance Shorage temperature 1.5 50 °C Sound pressure 1.5 g Sutten temperature 1.5 g Sum of Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1.5 g Compressed air in accordance with ISO8573-1:2010 [7:4:4] Sumplementation S	Authorisation	c UL us - Recognized (OL)
Nominal size 5 mm Grid dimension 18 mm Exhaust air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Pilot pressure 2.5 8 bar b value 0.38 Cvalue 2.75 l/Sbar Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compersional pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance Lassification CRC 2- Moderate corrosion stress Sound themperature -5 50 °C Sound pressure level 75 dB(A) Plug meters in the meters of the me	CE mark (see declaration of conformity)	to EU directive low-voltage devices
Grid dimension Exhaust-air function Exhaust-air function Exhaust-air function Sealing principle Assembly position Any Manual override With accessories, detenting Type of piloting Pilot dir supply Internal Flow direction Overlap Pilot pressure Pil	Protection class	IP65
Exhaust-air function throttleable soft scaling principle soft scaeming principle soft scaeming principle with accessories, detenting Type of piloting Piloted Piloted Internal Flow direction non reversible Positive overlap Pilot pressure 2.5 8 bar Positive overlap Pilot pressure Positive overlap Pilot pressure Positive overlap Pilot pressure Positive overlap Pilot pressure Positive Oscillate Positive Po	Nominal size	5 mm
Sealing principle Assembly position Any Manual override With accessories, detenting Type of piloting Piloted Pilot air supply Pilot air supply Pilot pressure level Pilot pressure pressur	Grid dimension	18 mm
Assembly position Manual override With accessories, detenting Type of piloting Pilot di Supply Internal Flow direction Overlap Pilot air supply Positive overlap Pilot perssure 2.58 bar b value 0.38 C value 2.75 l/sbar Switching time off Switching time off 10 ms Duty cycle 1100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Shock resistance (Shock resistance classification CRC 2 - Moderate corrosion stress Storage temperature - 5 50 °C Medium temperature - 5 50 °C Medium temperature - 5 50 °C Product weight - Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803 Plug	Exhaust-air function	throttleable
Assembly position Manual override With accessories, detenting Type of piloting Pilot di Supply Internal Flow direction Overlap Pilot air supply Positive overlap Pilot perssure 2.58 bar b value 0.38 C value 2.75 l/sbar Switching time off Switching time off 10 ms Duty cycle 1100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Shock resistance (Shock resistance classification CRC 2 - Moderate corrosion stress Storage temperature - 5 50 °C Medium temperature - 5 50 °C Medium temperature - 5 50 °C Product weight - Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803 Plug	Sealing principle	soft
Manual override with accessories, detenting Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Pilot pressure 2.5 8 bar b value 0.38 C value 2.75 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature 20 40 °C Medium temperature 75 50 °C Sound pressure level 75 dB(A) Pilot medium Compr		Any
Pilot air supply Flow direction Overlap Positive overlap	• •	with accessories, detenting
Pilot air supply Flow direction Overlap Positive overlap	Type of piloting	Piloted
Flow direction non reversible Overlap Positive overlap Pilot pressure 2.5 8 bar b value 0.38 C value 2.75 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock test with severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Cassification CRC 2- Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug		Internal
Pilot pressure b value 0.38 C value 2.75 I/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubircated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug		non reversible
b value 0.38 C value 2.75 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77 Corrosion resistance classification CRC 2 · Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Overlap	Positive overlap
C value 2.75 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77 Corrosion resistance classification CRC 2- Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Pilot pressure	2.5 8 bar
Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 · Moderate corrosion stress Storage temperature -5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug Plug Plug pattern type C to EN 175301-803 Plug	b value	0.38
Switching time off Switching time on 10 ms 10 ms 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -5 50 °C Medium temperature -5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug	C value	2.75 l/sbar
Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Switching time off	28 ms
Duty cycle Characteristic coil data Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug		10 ms
Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug		100 %
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressStorage temperature-20 40 °CMedium temperature-5 50 °CSound pressure level75 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 50 °CProduct weight105 gElectrical connectionPlug pattern type C to EN 175301-803 Plug		110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Operating medium	
942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug		
60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Vibration resistance	
Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Shock resistance	· ·
Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug		
Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	<u> </u>	
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	'	
Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug	•	· · · · · · · · · · · · · · · · · · ·
Product weight 105 g Electrical connection Plug pattern type C to EN 175301-803 Plug		
Electrical connection Plug pattern type C to EN 175301-803 Plug	·	
Plug	3	•
		1 - ' ''
Ifn FN 1/5301-X03		to EN 175301-803



Feature	Value
	Cubic design
Mounting type	On sub-base
Pilot exhaust port 82/84	Sub-base
Pilot air port 12	Sub-base
Pilot air port 14	Sub-base
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base Sub-base
Pneumatic connection, port 3	Sub-base
Pneumatic connection, port 4	Sub-base Sub-base
Pneumatic connection, port 5	Sub-base
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast