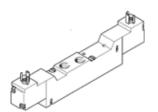
## solenoid valve MEBH-5/3B-1/8-P-B Part number: 173030

**FESTO** 

With solenoid coil and manual override, without plug socket.



## **Data sheet**

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  153 g  Electrical connection  Plug pattern type C to EN 175301-803  Plug	Feature	Value
Width 17.8 mm 1.78 mm	Valve function	5/3 pressurised
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Authorisation Protection class IP65 Nominal size Soft Grid dimension Exhaust-air function Sealing principle Assembly position Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Piloti pressure 3 8 bar  3 8 bar  Switching time off 25 ms Switching time on Duty cycle Characteristic coil data Operating medium Note on operating and pilot medium Unbricated operation possible (Subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 64004 Pilot pressure Solond pressure Solond persone Compressed air in accordance with FN 942017-5 and EN 64004 Pilot pressure Shock resistance Shock resistance Shock resistance Shock sesistance Shock sesistance Solond pressure Solond pressure Solond persone Solond p	Type of actuation	electrical
Design structure	Width	17.8 mm
Design structure Type of freset mechanical spring Authorisation C UL us - Recognized (OL) Protection class IP65 Nominal size S mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Manual override With accessories, detenting Piloted Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal Pilot pressure Dostitive overlap Suitching time off Switching time off Switching time on Duty cycle Characteristic coil data Deparating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Unbricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock resistance Shock resistance Storage temperature - 20 40 °C Sound pressure level Product weight Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803	Standard nominal flow rate	400 l/min
Type of reset Authorisation Cultus - Recognized (OL) Protection class IP65 Nominal size Smm Grid dimension I8 mm Exhaust-air function Sealing principle Sealing principle Assembly position Any Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Pilot pressure Dvalue 3 8 bar Dvalue 3 8 bar Switching time on Duty cycle Characteristic coil data Ouperating medium Note on operating and pilot medium Vibration resistance Transport application text as everity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Shock resistance Shock sest and in accordance with ISO8573-1:2010 [7:4:4] Rodium Pilot memperature 550 °C Sound pressure Flow direction Overlap Pilot pressure Duty cycle Characteristic coil data Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Shock resistance Shock sest with severity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Sound pressure level Flow direction Flow Filot EN 15301-803 Plug Flow pattern type C to EN 175301-803 Plug Flow pattern type C to EN 175301-803 Plug Flug pattern type C to EN 175301-803	Operating pressure	3 8 bar
Authorisation c UL us - Recognized (OL) Protection class	Design structure	Piston slide
Protection class   IP65   Nominal size   5 mm     From the mode of the content	Type of reset	mechanical spring
Protection class   IP65   Nominal size   5 mm     From the mode of the content	Authorisation	c UL us - Recognized (OL)
Grid dimension  Exhaust-air function  Exhaust-air function  Any  Manual override  Pilot air supply  Flow direction  Overlap  Plot por piloting  Pilot air supply  Internal  Flow direction  Overlap  Positive overlap  Plot pressure  3 8 bar  b value  0.37  C value  3.2 l/sbar  Switching time off  25 ms  Switching time on  Duty cycle  Characteristic coil data  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 2 in accordance with FN 942017-5 and EN 60068-2-2  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Store Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Storage temperature  Medium temperature  9-550 °C  Sound pressure level  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Ambient temperature  9-550 °C  Sound pressure level  Product weight  Plug pattern type C to EN 175301-803  Plug pattern type C to EN 175301-803  Plug pattern type C to EN 175301-803	Protection class	
Exhaust-air function throttleable soft soft Assembly position Any Manual override with accessories, detenting Piloted Pilot air supply Piloted Pilot air supply Internal Pilot air supply Internal Pilot air supply Piloted Pilot air supply Pilot pressure 3 8 bar Postitive overlap Pilot pressure 10.37 Postitive overlap Pilot pressure 10.37 Postitive overlap Pilot pressure 10.38 Postitive overlap Pilot pressure Pilot pressure Pilot pressure Pilot Pil	Nominal size	5 mm
Sealing principle Assembly position Any Manual override Type of piloting Piloted Pilot air supply Pilot air supply Pilot pressure level Pilot medium Pilot pressure pressure Pilot pressure level Pilot pressure pressure Pilot pres	Grid dimension	18 mm
Assembly position  Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Pilot perssure 3 8 bar b value 0.37 C value 3.2 l/sbar Switching time off Switching time on 12 ms Duty cycle Characteristic coil data Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance Storage temperature -20 40 °C Medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Froduct weight Electrical connection Plug pattern type C to EN 175301-803	Exhaust-air function	throttleable
Assembly position  Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Pilot perssure 3 8 bar b value 0.37 C value 3.2 l/sbar Switching time off Switching time on 12 ms Duty cycle Characteristic coil data Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance Storage temperature -20 40 °C Medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Froduct weight Electrical connection Plug pattern type C to EN 175301-803	Sealing principle	soft
Manual override Type of piloting Pilot air supply Pilot pressure Divalue D		Any
Pilot air supply Filot direction Overlap Positive overlap Positive overlap Positive overlap Pilot pressure 3 8 bar b value 0.37 C value 3.2 l/sbar Switching time off 25 ms Switching time on Duty cycle 100 % Characteristic coil data Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock seistance Storage temperature Possible (subsequently required for Gurther operation) Compressure level Pilot medium Compressure level Pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance Storage temperature -5 50 °C Compressure level Pilot medium Compressure level Product weight Plug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803 Plug		with accessories, detenting
Flow direction non reversible Overlap Positive overlap Pilot pressure 3 8 bar b value 0.37 C value 3.2 l/sbar Switching time off 25 ms Switching time on 12 ms Duty cycle 100 % Characteristic coil data 24 V DC: 2.5 W 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 942017-5 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 153 g Flug pattern type C to EN 175301-803 Plug Plug pattern type C to EN 175301-803	Type of piloting	Piloted
Flow direction Overlap Positive overlap Positive overlap Positive overlap Pilot pressure 3 8 bar 0.37 C value 3.2 l/sbar Switching time off 25 ms Switching time on Duty cycle 100 % Characteristic coil data 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 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature 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	Pilot air supply	Internal
Pilot pressure  3 8 bar  b value  0.37  C value  3.2 l/sbar  Switching time off  25 ms  Switching time on  Duty cycle  100 %  Characteristic coil data  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Ubricated 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  Electrical connection  Plug pattern type C to EN 175301-803  Plug  Plug pattern type C to EN 175301-803  Plug		non reversible
b value 0.37  C value 3.2 l/sbar  Switching time off 25 ms  Switching time on 12 ms  Duty cycle 100 %  Characteristic coil data 24 V DC: 2.5 W  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 153 g  Electrical connection Plug pattern type C to EN 175301-803  Plug	Overlap	Positive overlap
b value 0.37  C value 3.2 l/sbar  Switching time off 25 ms  Switching time on 12 ms  Duty cycle 100 %  Characteristic coil data 24 V DC: 2.5 W  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 153 g  Electrical connection Plug pattern type C to EN 175301-803  Plug	Pilot pressure	3 8 bar
Switching time off Switching time on 12 ms Duty cycle 100 % Characteristic coil data 24 V DC: 2.5 W 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 -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	•	0.37
Switching time off Switching time on 12 ms Duty cycle 100 % Characteristic coil data 24 V DC: 2.5 W 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 -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	C value	3.2 l/sbar
Switching time on 12 ms Duty cycle 100 % Characteristic coil data 24 V DC: 2.5 W 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 153 g Electrical connection Plug pattern type C to EN 175301-803 Plug	Switching time off	
Duty cycle100 %Characteristic coil data24 V DC: 2.5 WOperating 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 weight153 gElectrical connectionPlug pattern type C to EN 175301-803 Plug		12 ms
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  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 weight153 gElectrical connectionPlug pattern type C to EN 175301-803 Plug	Characteristic coil data	24 V DC: 2.5 W
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  Ambient temperature  -5 50 °C  Product weight  Electrical connection  Lubricated operation possible (subsequently required for further operation)  Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  -20 40 °C  -5 50 °C  Product weight  153 g  Plug pattern type C to EN 175301-803  Plug	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
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  153 g  Electrical connection  Plug pattern type C to EN 175301-803  Plug		Lubricated operation possible (subsequently required for further
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  153 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 153 g  Electrical connection Plug pattern type C to EN 175301-803  Plug	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
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 153 g  Electrical connection Plug pattern type C to EN 175301-803  Plug	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium 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 weight153 gElectrical connectionPlug 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 153 g  Electrical connection Plug pattern type C to EN 175301-803  Plug		-5 50 °C
Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Ambient temperature  -5 50 °C  Product weight  153 g  Electrical connection  Plug pattern type C to EN 175301-803  Plug	•	
Ambient temperature -5 50 °C  Product weight 153 g  Electrical connection Plug pattern type C to EN 175301-803 Plug	,	
Product weight 153 g Electrical connection Plug pattern type C to EN 175301-803 Plug		
Electrical connection Plug pattern type C to EN 175301-803 Plug	*	
Plug		9
	Electrical confection	
I Ito FN 175301-803		to EN 175301-803
Cubic design		



Feature	Value
Mounting type	on manifold rail
Pilot exhaust port 82/84	Sub-base Sub-base
Pneumatic connection, port 1	Sub-base Sub-base
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	Sub-base Sub-base
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	Sub-base
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast