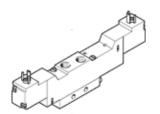
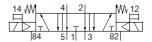
solenoid valve MEBH-5/3E-1/8-B Part number: 173022

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	Feature	Value
Width 17.8 mm Standard nominal flow rate 500 l/min 500 l	Valve function	5/3 exhausted
Standard nominal flow rate Operating pressure Operating pressure Operating pressure Piston slide Type of reset Authorisation Protection class IP65 Nominal size IP65 Sealing principle IP65 Sealing principle IP66 Sealing principle IP67 IP67 IP67 IP67 IP67 IP67 IP67 IP67	Type of actuation	electrical
Operating pressure 3 8 bar Design structure Piston silde Type of reset mechanical spring Authorisation c UL us - Recognized (OL) 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 Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Pilot pressure 3 8 bar b value 0.48 C value 1 1/5 bar 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 Et 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corosion stress Stora	Width	17.8 mm
Design structure Type of reset mechanical spring CUL us - Recognized (OL) Protection class IP65 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 Pliot pressure 3 8 bar b value C value 0.48 C value 11/sbar Switching time off 25 ms Switching time on Duty cycle Characteristic coil data Operating medium Note on operating and pilot medium Curbon resistance Shock resistance Shock resistance Shock resistance Shock resistance Flow diffure Type of George Flow overlap Flow direction Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-6 Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance And Design and pilot medium Compressed air in accordance with FN 942017-5 and El 60068-2-7 Corrosion resistance classification CRC Storage temperature -5 50 °C Medium temperature -5 50 °C Medium demoration Flug pattern type C to EN 175301-803	Standard nominal flow rate	500 l/min
Type of reset mechanical spring Authorisation c U Us - Recognized (OL) Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-sir 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 3 8 bar b value 0.48 C value 11/5bar 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 Compressed air in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance Shock rest with severity level 2 in accordance with FN 942017-5 and El 60068-2-27 Medium temperature -5 50 °C Froduct weight 153 g Electrical connection Plug pattern type C to EN 175301-803	Operating pressure	3 8 bar
Authorisation c UL us - Recognized (OL) 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 Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Pilot pressure 3 8 bar Value 0.48 Cvalue 11/sbar Switching time on 12 ms Switching time on 12 ms Optry 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 Undersite the Storage temperature 5 60 °C Corrosion resistance Storage level 75 shore Storage temperature 5 50 °C Roductive Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and El 60068-2:27 Medium temperature 5 60 °C Medium temperature 7.5 50 °C Roductive log Pulp pattern type C to EN 175301-803 Electrical connection Pulp gattern type C to EN 175301-803	Design structure	Piston slide
Protection class 1P65 Nominal size 5 mm		mechanical spring
Protection class 1P65 Nominal size 5 mm	Authorisation	c UL us - Recognized (OL)
Grid dimension Exhaust-air function Exhaust-air function Exhaust-air function Sealing principle Assembly position Any Manual override Type of piloting Piloted Piloted Piloted Piloted Piloted Positive overlap Po	Protection class	
Exhaust-air function throttleable soft Assembly position Any Manual override with accessories, detenting Piloted Pilot air supply Internal Plow direction non reversible Overlap Positive overlap Positive overlap Pilot pressure 3 8 bar b value 0.48 Cvalue 11/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 operating of Stock resistance Shock resistance Shock sessification CRC 2 - Moderate corrosion stress Storage temperature 5 50 °C Sound pressure 9 Log pattern type C to EN 175301-803 Electrical Connection Plug pattern type C to EN 175301-803	Nominal size	5 mm
Sealing principle Assembly position Any Manual override Type of piloting Piloted Pilot air supply Pilot air supply Pilot pressure Positive overlap Positive overlap Pilot pressure Positive overlap Piloted Pilot overlap Positive overlap Positive overlap Piloted Pilot overlap Positive overlap Posi	Grid dimension	18 mm
Assembly position Manual override Mith accessories, detenting Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Pilot pressure O.48 C value O.48 C value 1 I/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 El 60068-2-27 Corrosion resistance classification CRC Storage temperature -5 50 °C Sound pressure level Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Exhaust-air function	throttleable
Assembly position Manual override Mith accessories, detenting Type of piloting Pilot air supply Internal Flow direction Overlap Positive overlap Pilot pressure O.48 C value O.48 C value 1 I/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 El 60068-2-27 Corrosion resistance classification CRC Storage temperature -5 50 °C Sound pressure level Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Sealing principle	soft
Manual override Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Pilot pressure Double Switching time off 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 Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance classification CRC Storage temperature Sevince of pilote		Any
Pilot air supply Internal Flow direction Overlap Positive	. ,	with accessories, detenting
Flow direction Overlap Positive overlape Po	Type of piloting	Piloted
Flow direction Overlap Positive overlap Positive overlap Positive overlap Pilot pressure 3 8 bar b value 0.48 C value 1 1/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 Ubbricated 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 Electrical connection Plug pattern type C to EN 175301-803	Pilot air supply	Internal
Pilot pressure b value 0.48 C value 1 1/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 Uibricated 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 El 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 Ambient temperature -5 50 °C Product weight 153 g Electrical connection	, · · ·	non reversible
b value 0.48 C value 1 1/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 El 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	Overlap	Positive overlap
b value 0.48 C value 1 1/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 El 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	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 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 El 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	•	0.48
Switching time off Switching time on 12 ms Duty cycle 100 % Characteristic coil data 24 V DC: 2.5 W Operating medium 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 El 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	C value	1 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 El 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	Switching time off	
Duty cycle 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 El 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		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 El 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		100 %
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 EI 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	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 El 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	Operating medium	
942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EI 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	· -	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	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	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	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 153 g Electrical connection Plug pattern type C to EN 175301-803		
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		-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	ļ ,	
Ambient temperature -5 50 °C Product weight 153 g Electrical connection Plug pattern type C to EN 175301-803	•	
Product weight 153 g Electrical connection Plug pattern type C to EN 175301-803		
Electrical connection Plug pattern type C to EN 175301-803		
		9
I PILIG	Electrical connection	Plug
to EN 175301-803		9
Cubic design		



Feature	Value
Mounting type	with through hole
Pilot exhaust port 82/84	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast