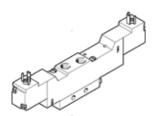
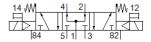
solenoid valve MEBH-5/3B-1/8-B Part number: 173028

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 S | 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 Source Product weight Filot medium Compressure Corrosion resistance classification CRC Source Product weight Filot medium Compressure Shock resistance Source Standard Product Scarles Shock resistance Shock resistance Source Source Source Source Source For Sour | 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 connection | |
| I Ito FN 175301-803 | | to EN 175301-803 |
| 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 |