

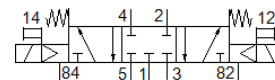
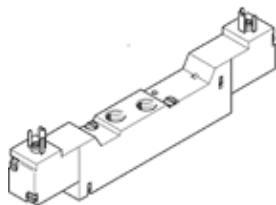
# solenoid valve

## MEBH-5/3G-1/8-P-B-230AC

Part number: 173107

FESTO

With solenoid coil and manual override, without plug socket.



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/3 closed   |
| Type of actuation                       | electrical   |
| Width                                   | 17.8 mm  |
| Standard nominal flow rate              | 500 l/min  |
| Operating pressure                      | 3 ... 8 bar  |
| Design structure                        | Piston slide   |
| Type of reset                           | mechanical spring  |
| Authorisation                           | c UL us - Recognized (OL)  |
| 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  |
| Pilot air supply                        | Internal   |
| Flow direction                          | non reversible   |
| Overlap                                 | Positive overlap   |
| Pilot pressure                          | 3 ... 8 bar  |
| b value                                 | 0.3  |
| C value                                 | 2.2 l/sbar   |
| Switching time off                      | 25 ms  |
| Switching time on                       | 12 ms  |
| Duty cycle                              | 100 %  |
| Characteristic coil data                | 230 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                          | 153 g  |
| Electrical connection                   | Plug pattern type C to EN 175301-803<br>Plug<br>to EN 175301-803                               |

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