

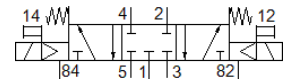
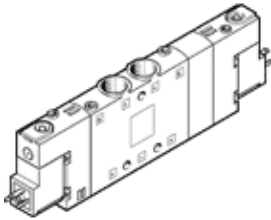
# solenoid valve

## CPE18-M1H-5/3G-1/4

Part number: 170247

FESTO

High component density



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/3 closed   |
| Type of actuation                       | electrical   |
| Width                                   | 18 mm  |
| Standard nominal flow rate              | 1,450 l/min  |
| Operating pressure                      | 2.5 ... 10 bar   |
| Design structure                        | Piston slide   |
| Type of reset                           | mechanical spring  |
| Authorisation                           | c UL us - Recognized (OL)  |
| Maritime classification                 | see certificate  |
| Protection class                        | IP65<br>with plug socket<br>to IEC 60529   |
| Nominal size                            | 8 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | with accessories, detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | Internal   |
| Flow direction                          | non reversible   |
| Valve position identification           | Inscription label holder   |
| Overlap                                 | Positive overlap   |
| Switching time off                      | 38 ms  |
| Switching time on                       | 20 ms  |
| Duty cycle                              | 100 %  |
| Max. positive test pulse with logic 0   | 3,300 µs   |
| Max. negative test pulse with logic 1   | 3,100 µs   |
| Characteristic coil data                | 24 V DC: 1.5 W   |
| Permissible voltage fluctuation         | -15 % / +10 %  |
| 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 2 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  |
| Medium temperature                      | -5 ... 50 °C   |
| Ambient temperature                     | -5 ... 50 °C   |
| Product weight                          | 280 g  |
| Electrical connection                   | Plug pattern type C to EN 175301-803   |
| Mounting type                           | with through hole  |
| Pilot exhaust port 82                   | M5   |

| Feature                      | Value              |
|------------------------------|--------------------|
| Pilot exhaust port 84        | M5                 |
| Pilot air port 12            | M5                 |
| Pilot air port 14            | M5                 |
| Pneumatic connection, port 1 | G1/4               |
| Pneumatic connection, port 2 | G1/4               |
| Pneumatic connection, port 3 | G1/4               |
| Pneumatic connection, port 4 | G1/4               |
| Pneumatic connection, port 5 | G1/4               |
| Materials note               | Conforms to RoHS   |
| Material seals               | NBR                |
| Material housing             | Aluminium die cast |