# solenoid valve <br> MHA1-M1LCH-2/2G-1.5-HC <br> Part number: 557864 



## Data sheet

| Feature | Value |
| :---: | :---: |
| Valve function | 2/2 closed, monostable |
| Type of actuation | electrical |
| Width | 10 mm |
| Standard nominal flow rate | $301 / \mathrm{min}$ |
| Operating pressure | $0 . .1 .5$ bar |
| Design structure | Poppet valve with spring return |
| Type of reset | mechanical spring |
| Protection class | IP40 |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Nominal size | 1.5 mm |
| Grid dimension | 10 mm |
| Exhaust-air function | not throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | Pushing |
| Type of piloting | direct |
| Flow direction | non reversible |
| Signal status display | LED |
| Operating pressure, reversible | -0.95 ... 0 bar |
| Suitability for vacuum | Yes |
| Standard flow rate pmax $\rightarrow 0$ | $30 \mathrm{l} / \mathrm{min}$ |
| Maximum switching frequency | 10 Hz |
| Switching time off | 6 ms |
| Switching time on | 6 ms |
| Duty cycle | 100 \% |
| Characteristic coil data | 24 V DC: low-current phase 0.7 W, high-current phase 3 W |
| Permissible voltage fluctuation | +/-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 |
| Storage temperature | $-20 \ldots 60^{\circ} \mathrm{C}$ |
| Medium temperature | $-5 . .55{ }^{\circ} \mathrm{C}$ |
| Ambient temperature | $-5 \ldots 50{ }^{\circ} \mathrm{C}$ |
| Product weight | 10 g |
| Max. line length | 30 m |
| Electrical connection | Plug KMH |
| Mounting type | On sub-base |
| Pneumatic connection, port 1 | Sub-base |
| Pneumatic connection, 11 | Sub-base |
| Pneumatic connection, port 2 | Sub-base |
| Materials note | Free of copper and PTFE |


| Feature | Value |
| :--- | :--- |
|  | Conforms to RoHS |
| Material seals | FPM |
|  | HNBR |
|  | NBR |
| Material housing | PA-reinforced <br> PPS-reinforced |
| Material screws | Steel |

