

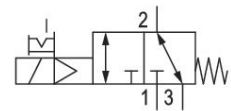
**5724550220**

2025-12-10

**AVENTICS**

|                          |     |                             |
|--------------------------|-----|-----------------------------|
| MAR- 572455220           |     | <b>(6810)</b><br>ISO 529/61 |
| P-2-10                   | BAR |                             |
| 18.02.100.000<br>100 BAR |     |                             |

MAR-572455220



## 4000 l/min

# 3/2-directional valve, Series CD12, single solenoid

5724550220

CD12

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|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Nominal flow Qn 2 to 3                | 4000 l/min                          |
| Min. working pressure                 | 2 bar                               |
| Max. working pressure                 | 10 bar                              |
| Min. control pressure                 | 2 bar                               |
| Max. control pressure                 | 10 bar                              |
| Electrical connection type            | Plug                                |
| Electrical connection size            | EN 175301-803, form A               |
| Electrical connection number of poles | 3-pin                               |
| Connector standard                    | EN 175301-803:2006                  |
| Protection class with connection      | IP65                                |
| Reverse polarity protection           | Protected against polarity reversal |
| Operational voltage                   | 24 V DC                             |
| Operational voltage DC                | 24 V                                |
| Voltage tolerance DC                  | -10 % / +10 %                       |
| Pilot                                 | Internal                            |
| Coil width                            | 30 mm                               |
| Pilot valve width                     | 30 mm                               |
| Compatibility index                   | 13<br>14                            |
| Power consumption DC                  | 2.1 W                               |
| Duty cycle                            | 100 %                               |
| Typ. switch-on time                   | 34 ms                               |
| Typ. switch-off time                  | 90 ms                               |
| Temperature resistance                | -25 °C cold-resistant               |
| Min. ambient temperature              | -25 °C                              |
| Max. ambient temperature              | 50 °C                               |
| Min. medium temperature               | -25 °C                              |
| Max. medium temperature               | 50 °C                               |
| Medium                                | Compressed air                      |
| Min. oil content of compressed air    | 0 mg/m <sup>3</sup>                 |
| Max. oil content of compressed air    | 1 mg/m <sup>3</sup>                 |
| Max. particle size                    | 50 µm                               |
| Weight                                | 0.85 kg                             |

# 3/2-directional valve, Series CD12, single solenoid

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## Material

Housing material

Aluminum

Polyamide, fiber-glass reinforced

Seal material

Acrylonitrile butadiene rubber

Polyurethane

Part No.

5724550220

## Technical information

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

\*Note: Basic valves feature a maximum working pressure of 16 bar. When combined with standard CNOMO pilots, the maximum working pressure is 10 bar.

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

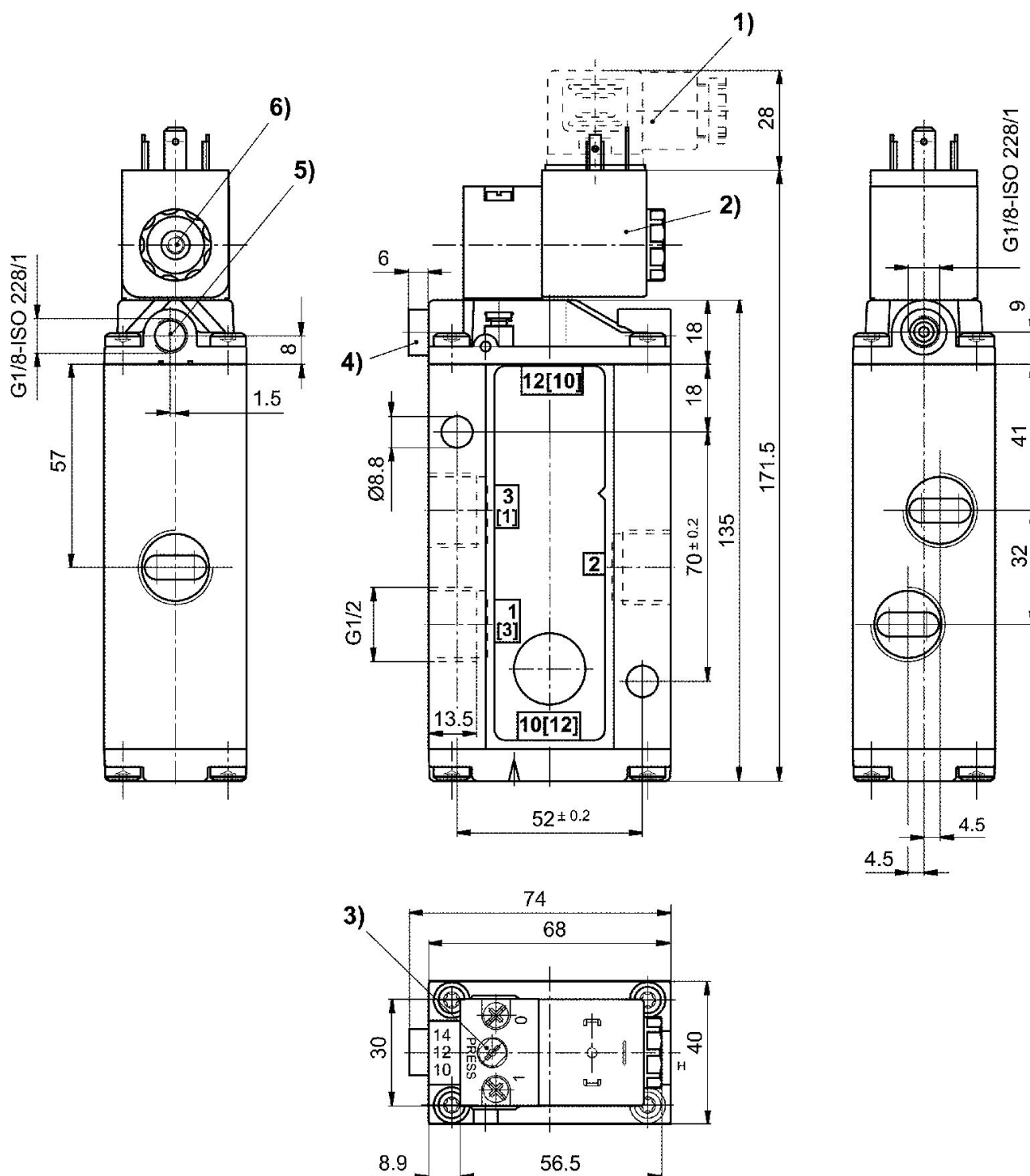
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CD12

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## Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override  
4) Port X (only for externally piloted valves) 5) Exhaust port of piston 6) Pilot valve exhaust, M5