**Directional valves → Electrically operated**

## 3/2-way valve, Series CD04

**► Qn = 900 l/min ► NC, NO ► pipe connection ► compressed air connection output: G 1/8 ► Electr. connection: Plug, EN 175301-803, form B ► Manual override: with detent, without ► single solenoid**

00134133

| | |
|---|---|
| Version | Spool valve, zero overlap |
| Sealing principle | soft sealing |
| Working pressure min./max. | See table below |
| Control pressure min./max. | See table below |
| Ambient temperature min./max. | See table below |
| Medium temperature min./max. | See table below |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 mg/m³ - 1 mg/m³ |
| Compressed air connection | according to ISO 228-1 |
| | with directional pilot air exhaust |
| Connector standard | EN 175301-803:2006 |
| Degree of protectionwith electrical connector/plug | IP 65 |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Materials: | |
| Housing | Die cast zinc; Polyamide, fiber-glass reinforced |
| Seals | Acrylonitrile Butadiene Rubber |

**Technical Remarks**

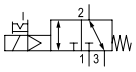
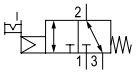
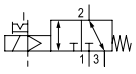
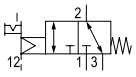
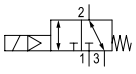
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

| Operating voltage | | | Voltage tolerance | | | Power consumption | Switch-on power | | Holding power | |
|---|---|---|---|---|---|---|---|---|---|---|
| DC | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz |
| | | | | | | W | VA | VA | VA | VA |
| 24 V | - | - | -10% / +10% | - | - | 4.8 | - | - | - | - |
| - | 110 V | 110 V | - | -20% / +10% | -10% / +20% | - | 10.8 | 9.5 | 8.3 | 7.2 |
| - | 230 V | 230 V | - | -20% / +10% | -10% / +20% | - | 11.5 | 9.7 | 9 | 7.4 |
| - | 24 V | 24 V | - | -20% / +10% | -10% / +20% | - | 10.8 | 9.4 | 8.3 | 6.7 |
| 24 V | - | - | -10% / +10% | - | - | 8.4 | - | - | - | - |

**Directional valves → Electrically operated**

## 3/2-way valve, Series CD04

**► Qn = 900 l/min ► NC, NO ► pipe connection ► compressed air connection output: G 1/8 ► Electr. connection: Plug, EN 175301-803, form B ► Manual override: with detent, without ► single solenoid**

| | | MO | Compressed air connection | | | | | Operating voltage | | | Hold-ing pow-er | Part No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Input | Output | Exhaust | Pilot connec-tion | Pilot control exhaust | DC | AC 50 Hz | AC 60 Hz | AC 50 Hz | |
|  | NC, NO | | G 1/8 | G 1/8 | G 1/8 | - | M5 | 24 V<br>-<br>-<br>- | -<br>110 V<br>230 V<br>24 V | -<br>110 V<br>230 V<br>24 V | -<br>8.3<br>9<br>8.3 | **5772550220**<br>5772555270<br>**5772555280**<br>**5772555220** |
|  | NC, NO | | G 1/8 | G 1/8 | G 1/8 | - | M5 | - | - | - | - | **5772555302** |
|  | NC, NO |  | G 1/8 | G 1/8 | G 1/8 | G 1/8 | M5 | 24 V<br>-<br>- | -<br>110 V<br>230 V | -<br>110 V<br>230 V | -<br>8.3<br>9 | **5772560220**<br>5772565270<br>**5772565280** |
|  | NC, NO |  | G 1/8 | G 1/8 | G 1/8 | G 1/8 | M5 | - | - | - | - | **5772565302** |
|  | NC, NO | - | G 1/8 | G 1/8 | G 1/8 | - | M5 | 24 V | - | - | - | **5772590220** |

| Part No. | Hold-ing pow-er | Switch-on power | Switch-on power | Flow rate value | | | Working pressure min./max. | Control pressure min./max. | Ambient tempera-ture min./ max. | Medium tempera-ture min./ max. | Switch-on time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | Qn | Qn 1►2 | Qn 2►3 | | | | | |
| | | | | | | [l/min] | [bar] | [bar] | [°C] | [°C] | [ms] |
| **5772550220**<br>5772555270<br>**5772555280**<br>**5772555220** | -<br>7.2<br>7.4<br>6.7 | -<br>10.8<br>11.5<br>10.8 | -<br>9.5<br>9.7<br>9.4 | 900 | 900 | 900 | 3 / 10 | 3 / 10 | -15°C / +50°C | -15°C / +50°C | 13 |
| **5772555302** | - | - | - | 900 | 900 | 900 | 3 / 10 | 3 / 10 | -15°C / +50°C | -15°C / +50°C | - |
| **5772560220**<br>5772565270<br>**5772565280** | -<br>7.2<br>7.4 | -<br>10.8<br>11.5 | -<br>9.5<br>9.7 | 900 | 900 | 900 | -0.95 / 10 | 3 / 10 | -15°C / +50°C | -15°C / +50°C | 13 |
| **5772565302** | - | - | - | 900 | 900 | 900 | -0.95 / 10 | 3 / 10 | -15°C / +50°C | -15°C / +50°C | - |
| **5772590220** | - | - | - | 900 | 900 | 900 | 2.6 / 10 | 2.6 / 10 | -20°C / +80°C | -20°C / +80°C | 13 |

**Directional valves → Electrically operated**

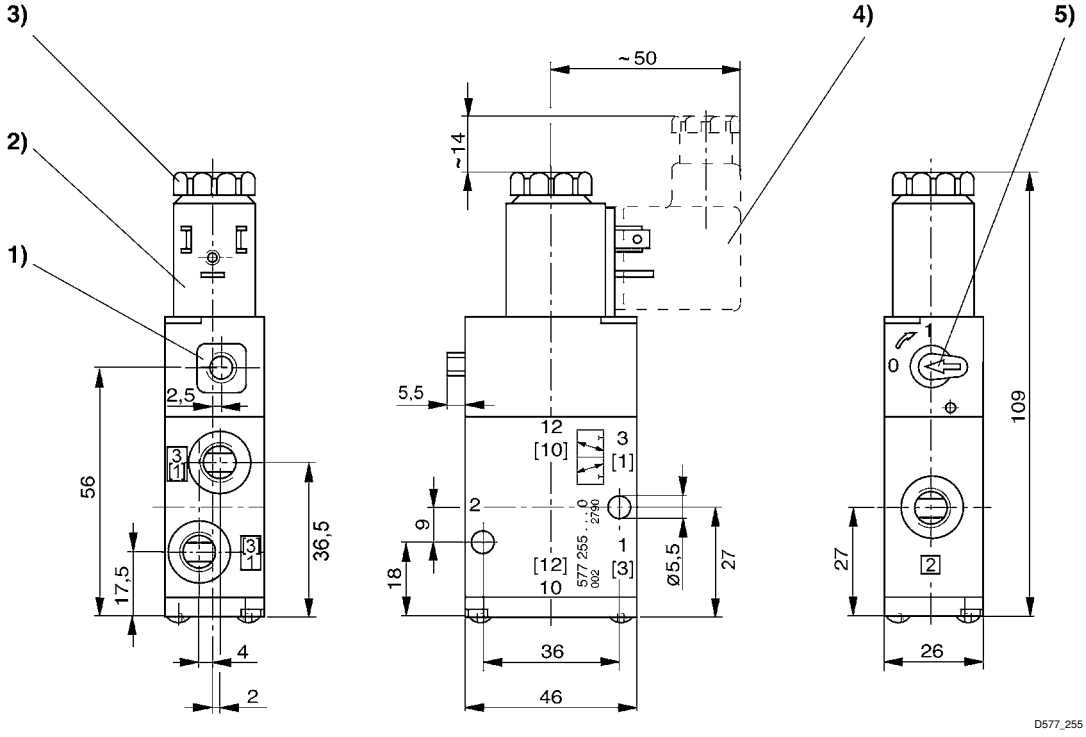
## 3/2-way valve, Series CD04

**► Qn = 900 l/min ► NC, NO ► pipe connection ► compressed air connection output: G 1/8 ► Electr. connection: Plug, EN 175301-803, form B ► Manual override: with detent, without ► single solenoid**

| Part No. | Switch-off time | Weight | Note |
|---|---|---|---|
| | | | |
| | [ms] | [kg] | |
| **5772550220**<br>5772555270<br>**5772555280**<br>**5772555220** | 27 | 0.3 | 1) |
| **5772555302** | - | 0.25 | 1); 3) |
| **5772560220**<br>5772565270<br>**5772565280** | 27 | 0.3 | 2) |
| **5772565302** | - | 0.25 | 2); 3) |
| **5772590220** | 27 | 0.3 | 1); 4) |

MO = Manual override
1) Pilot: internal
2) Pilot: external
3) Basic valve without coil
4) Higher power consumption
Nominal flow Qn at 6 bar and Δp = 1 bar

**Dimensions**




1) only with separate pilot control G 1/8
2) coil can be rotated at 90° intervals
3) after removal of cap M 5 internal thread M5
4) electrical connector can be plugged at 180° intervals
5) manual override