

Directional valves ▶ Electrically operated

3/2-directional valve, Series DO22

▶ Qn = 55 - 88 l/min ▶ pipe connection ▶ Compressed air connection output: G 1/8 ▶ Electr. connection: Plug, ISO 6952, form B ▶ Manual override: with detent, without



00110089

| | |
|----------------------------------|---|
| Version | Poppet valve |
| Sealing principle | Soft sealing |
| Working pressure min./max. | See table below |
| Ambient temperature min./max. | -10 °C / +50 °C |
| Medium temperature min./max. | -10 °C / +50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 mg/m ³ - 5 mg/m ³ |
| Nominal flow 1 ▶ 2 | See table below |
| Nominal flow 2 ▶ 3 | See table below |
| Protection class with connection | IP65 |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Mounting screw | M4 |
| Weight | 0.11 kg |

Materials:

| | |
|---------|-----------------|
| Housing | Polyamide |
| Seals | Fluorocautchouc |

Technical Remarks

- 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 under 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, see chapter „Technical information“.

| Operational 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% | - | - | 11 | - | 8.5 | - |
| 24 V | - | - | -10% / +10% | - | - | 4.8 | - | - | - | - |
| 24 V | - | - | -10% / +10% | - | - | 2.6 | - | - | - | - |
| - | - | 110 V | - | - | -10% / +10% | - | - | 9.4 | - | 6.9 |
| - | 230 V | - | - | -10% / +10% | - | - | 12.6 | - | 9.7 | - |

| | MO | Compressed air connection | | | Operating voltage | | | Power consumption | Hold-ing power | Part No. | |
|--|----|---------------------------|--------|---------|-------------------|----------|----------|-------------------|----------------|------------|------------|
| | | Input | Output | Exhaust | DC | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz | | |
| | | | | | | | | [W] | [VA] | | |
| | | G 1/8 | G 1/8 | M5 | - | 24 V | - | - | 8.5 | 0820019312 | |
| | | | | | 24 V | - | - | 4.8 | - | | 0820019311 |
| | | | | | 24 V | - | - | 2.6 | - | | 0820019314 |
| | | | | | - | - | 110 V | - | - | | 0820019313 |
| | | | | | - | 230 V | - | - | 9.7 | | 0820019310 |
| | | M5 | G 1/8 | G 1/8 | 24 V | - | - | 4.8 | - | 0820019361 | |