







5/3-directional valve, Series 581, size 1

- Qn = 1100 l/min
- Plate connection
- Compressed air connection output Base plate ISO 5599-1
- Can be assembled into blocks
- suitable for ATEX



| | |
|----------------------------------|-----------------------------|
| Version | Spool valve |
| Blocking principle | Single base plate principle |
| Sealing principle | Soft sealing |
| ATEX class G | II 2G2D T4 X |
| Connection type | Plate connection |
| Standards | ISO 5599-1, ISO 1 |
| Nominal flow Qn | 1100 l/min |
| Compressed air connection | Base plate ISO 5599-1 |
| Working pressure min./max. | -0,95 ... 16 bar |
| Control pressure min./max. | 3 ... 16 bar |
| Ambient temperature min./max. | -20 ... 70 °C |
| Medium temperature min./max. | -20 ... 70 °C |
| Medium | Compressed air class 6-4-3 |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Mounting screw | with hexagon socket |
| Mounting screw tightening torque | 2 Nm |
| Weight | 0,21 kg |

Technical data

| Part No. | | | Flow conductance | Throttle | ATEX |
|------------|---|--------------------|------------------|---------------|-------------------|
| | | | C-value | | |
| 5811430000 |  | closed center | 4,3 l/(s*bar) | - | suitable for ATEX |
| 5811431000 |  | closed center | 4,3 l/(s*bar) | with throttle | suitable for ATEX |
| 5811530000 |  | exhausted center | 4,3 l/(s*bar) | - | suitable for ATEX |
| 5811531000 |  | exhausted center | 4,3 l/(s*bar) | with throttle | suitable for ATEX |
| 5811730000 |  | pressurized center | 4,3 l/(s*bar) | - | suitable for ATEX |
| 5811731000 |  | pressurized center | 4,3 l/(s*bar) | with throttle | suitable for ATEX |

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

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. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| | |
|---------|--------------------------------|
| Housing | Aluminum |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions

