























5/3-directional valve, Series 581, size 2

- ISO 5599-1
- ISO 2
- 5/3
- $Q_n = 2100$ l/min
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, ISO 15217, form C
- Manual override without detent



Version	Spool valve
Sealing principle	Soft sealing
Blocking principle	Single base plate principle
Connection type	Plate connection
Standards	ISO 5599-1, ISO 2
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q_n	2100 l/min
Flow conductance C	8,9 l/(s*bar)
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	14 ms
Typ. switch-off time	28 ms
Mounting screw	with hexagon socket
Mounting screw tightening torque	4 Nm
Weight	0,33 kg

Technical data

Part No.		MO	Operational voltage DC	Voltage tolerance DC	Power consumption DC
5812460130			24 V	-10% / +10%	2 W
5812461130			24 V	-10% / +10%	2 W
5812462130			24 V	-10% / +10%	2 W
5812463130			24 V	-10% / +10%	2 W
5812560130			24 V	-10% / +10%	2 W
5812561130			24 V	-10% / +10%	2 W
5812562130			24 V	-10% / +10%	2 W
5812563130			24 V	-10% / +10%	2 W
5812760130			24 V	-10% / +10%	2 W
5812761130			24 V	-10% / +10%	2 W
5812762130			24 V	-10% / +10%	2 W
5812763130			24 V	-10% / +10%	2 W

Part No.	Pilot	Working pressure min./max.	Electrical connection Pilot valve	Throttle
5812460130	internal	3 ... 10 bar	Plug ISO 15217, form C	-
5812461130	internal	3 ... 10 bar	Plug ISO 15217, form C	with throttle
5812462130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	-
5812463130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	with throttle
5812560130	internal	3 ... 10 bar	Plug ISO 15217, form C	-
5812561130	internal	3 ... 10 bar	Plug ISO 15217, form C	with throttle
5812562130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	-
5812563130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	with throttle
5812760130	internal	3 ... 10 bar	Plug ISO 15217, form C	-
5812761130	internal	3 ... 10 bar	Plug ISO 15217, form C	with throttle
5812762130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	-
5812763130	external	-0,95 ... 10 bar	Plug ISO 15217, form C	with throttle

Connection 12 must be connected with atmospheres, Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

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	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

