



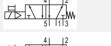

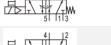



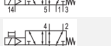

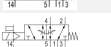

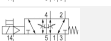

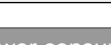

5/2-directional valve, Series 581, size 1

- ISO 5599-1
- ISO 1
- Qn = 1400 l/min
- plate connection
- Pilot valve width 30x22 mm CNOMO
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, ISO 4400, form A
- Manual override without detent
- single solenoid



Version	Spool valve
Sealing principle	Soft sealing
Blocking principle	Single base plate principle
Connection type	plate connection
Standards	ISO 5599-1, ISO 1
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 16 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Qn	1400 l/min
Protection class, with connection	IP65
Duty cycle	100 %
Typ. switch-on time	15 ms
Typ. switch-off time	28 ms
Mounting screw	with hexagon socket
Mounting screw tightening torque	2 Nm
Weight	0,35 kg

Technical data

Part No.		MO	Operating voltage DC	Operating voltage AC 50 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz
5811170540			24 V	42 V	-10% / +10%	-10% / +10%
5811170440			-	230 V	-	-10% / +10%
5811171540			24 V	42 V	-10% / +10%	-10% / +10%
5811171440			-	230 V	-	-10% / +10%
5811172540			24 V	42 V	-10% / +10%	-10% / +10%
5811172440			-	230 V	-	-10% / +10%
5811173540			24 V	42 V	-10% / +10%	-10% / +10%
5811173440			-	230 V	-	-10% / +10%

Part No.	Power consumption DC	Holding power AC 50 Hz	Switch-on power AC 50 Hz	Pilot	Flow conductance C-value	Working pressure min./max.
5811170540	6,7 W	7,7 VA	12 VA	internal	5,2 l/(s*bar)	3 ... 16 bar

Part No.	Power consumption DC	Holding power AC 50 Hz	Switch-on power AC 50 Hz	Pilot	Flow conductance C-value	Working pressure min./max.
5811170440	-	10,8 VA	15,2 VA	internal	5,2 l/(s*bar)	3 ... 16 bar
5811171540	6,7 W	7,7 VA	12 VA	internal	5,2 l/(s*bar)	3 ... 16 bar
5811171440	-	10,8 VA	15,2 VA	internal	5,2 l/(s*bar)	3 ... 16 bar
5811172540	6,7 W	7,7 VA	12 VA	external	5,2 l/(s*bar)	-0,95 ... 16 bar
5811172440	-	10,8 VA	15,2 VA	external	5,2 l/(s*bar)	-0,95 ... 16 bar
5811173540	6,7 W	7,7 VA	12 VA	external	5,2 l/(s*bar)	-0,95 ... 16 bar
5811173440	-	10,8 VA	15,2 VA	external	5,2 l/(s*bar)	-0,95 ... 16 bar

Part No.	Electrical connection Pilot valve	Throttle
5811170540	Plug, ISO 4400, form A	-
5811170440	Plug, ISO 4400, form A	-
5811171540	Plug, ISO 4400, form A	with throttle
5811171440	Plug, ISO 4400, form A	with throttle
5811172540	Plug, ISO 4400, form A	-
5811172440	Plug, ISO 4400, form A	-
5811173540	Plug, ISO 4400, form A	with throttle
5811173440	Plug, ISO 4400, form A	with throttle

Nominal flow Q_n at 6 bar and Δp = 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, see chapter „Technical information“.

Technical information

Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

