

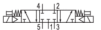

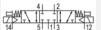





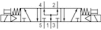









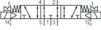

# 5/3-directional valve, Series IS12, size 1

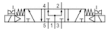



- ISO 5599-1
- ISO 1
- 5/3
- double solenoid
- closed center exhausted center pressurized center
- Qn = 880 l/min
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, M12, 3-pin
- Manual override without detent with detent



Type	Spool valve, positive overlapping
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 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	880 l/min
Protection class with connection	IP65
LED status display	Yellow
Nominal resistance	1480 Ω
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M5 with hexagon socket
Mounting screw tightening torque	2,2 Nm
Weight	0,31 kg

## Technical data

Part No.		MO		Operational voltage DC
0820027275			closed center	24 V
0820027276			closed center	24 V
0820027300			exhausted center	24 V
0820027301			exhausted center	24 V
0820027325			pressurized center	24 V
0820027326			pressurized center	24 V
0820027277			closed center	24 V
0820027278			closed center	24 V
0820027302			exhausted center	24 V
0820027303			exhausted center	24 V

Part No.		MO		Operational voltage DC
0820027327			pressurized center	24 V
0820027328			pressurized center	24 V

Part No.	Voltage tolerance DC	Power consumption DC	Pilot	Working pressure min./max.
0820027275	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027276	-10% / +10%	0,35 W	External	-0,9 ... 10 bar
0820027300	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027301	-10% / +10%	0,35 W	External	-0,9 ... 10 bar
0820027325	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027326	-10% / +10%	0,35 W	External	-0,9 ... 10 bar
0820027277	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027278	-10% / +10%	0,35 W	External	-0,9 ... 10 bar
0820027302	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027303	-10% / +10%	0,35 W	External	-0,9 ... 10 bar
0820027327	-10% / +10%	0,35 W	Internal	2,5 ... 10 bar
0820027328	-10% / +10%	0,35 W	External	-0,9 ... 10 bar

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve
0820027275	16 ms	-	Plug M12 3-pin
0820027276	16 ms	-	Plug M12 3-pin
0820027300	-	-	Plug M12 3-pin
0820027301	-	-	Plug M12 3-pin
0820027325	15 ms	29 ms	Plug M12 3-pin
0820027326	15 ms	29 ms	Plug M12 3-pin
0820027277	16 ms	-	Plug M12 3-pin
0820027278	16 ms	-	Plug M12 3-pin
0820027302	-	-	Plug M12 3-pin
0820027303	-	-	Plug M12 3-pin
0820027327	15 ms	29 ms	Plug M12 3-pin
0820027328	15 ms	29 ms	Plug M12 3-pin

Nominal flow  $Q_n$  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).

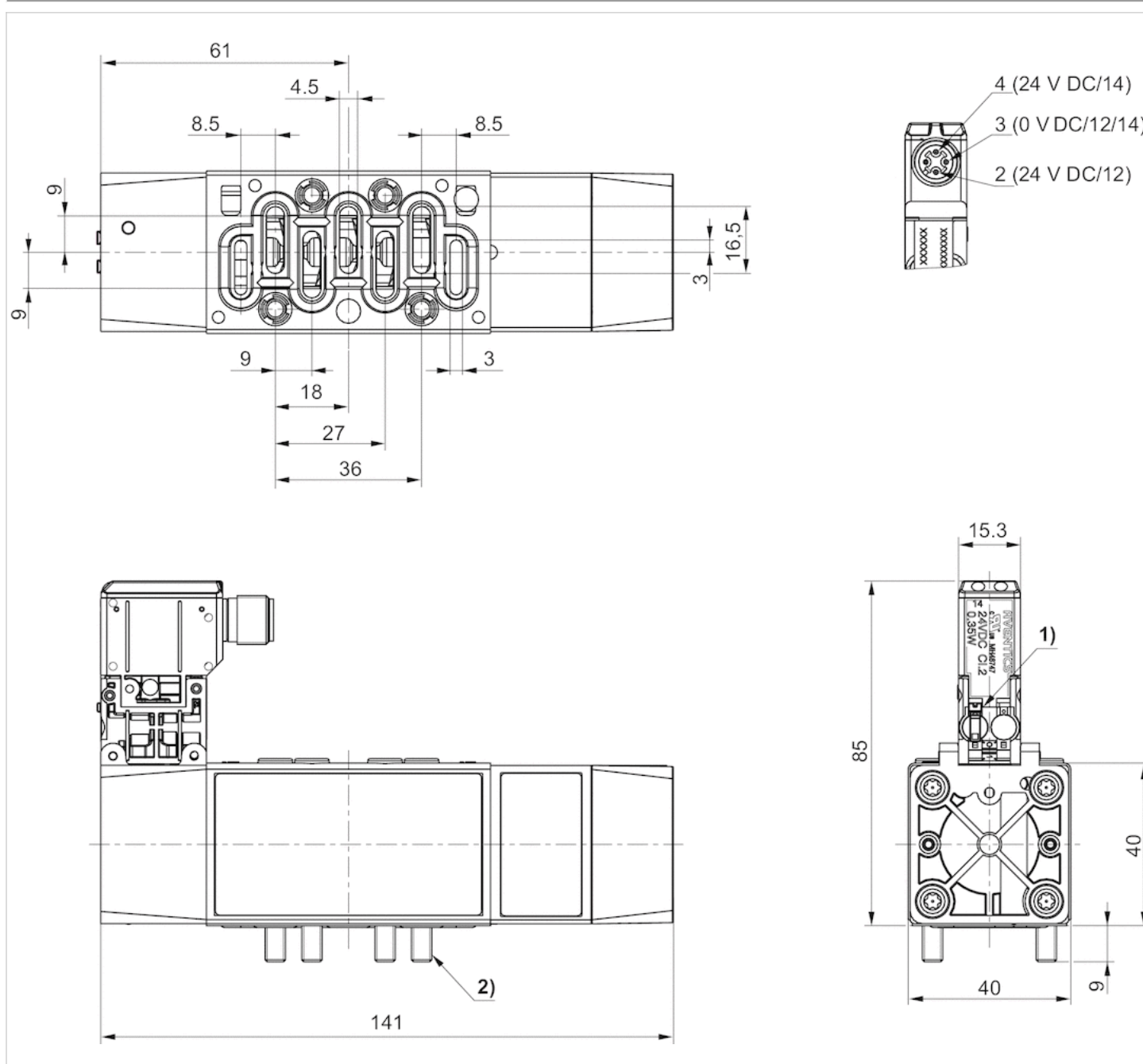
Switch-on power: 1 W for 40 ms

## Technical information

Housing	Polyamide
Seals	Acrylonitrile butadiene rubber
Front plate	Polyamide

## Dimensions

### Dimensions



1) Manual override

2) 4 screws M4x40 DIN 912

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