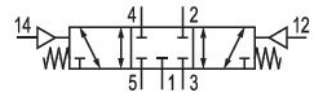


ISO 5599-1, size 2, series IS12

$Q_n = [1700 \dots 2500] \text{ l/min}$

- Q_n max. 2500 l/min
- Electrical control
- Pneumatic control
- Width: 42 mm, 56 mm



Technical data

Industry	Industrial
Activation	Pneumatically
Switching principle	5/3, closed center
Connection type	Plate connection
Nominal flow Q_n	2400 l/min
Compressed air connection output	Base plate ISO 5599-1
Min. working pressure	-0.9 bar
Max. working pressure	10 bar
Sealing principle	Soft seal
Standards	ISO 5599-1
Valve type	Spool valve, positive overlapping
Version	ISO 2
Pilot	External
Blocking principle	Single base plate principle
Min. control pressure	2.8 bar
Max. control pressure	10 bar
Min. ambient temperature	0 °C
Max. ambient temperature	80 °C
Min. medium temperature	0 °C

Max. medium temperature	80 °C
Medium	Compressed air
Max. particle size	5 µm
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
version pneumatic port	Closed Center
Compressed air connection	Base plate ISO 5599-1
Compressed air connection input	Base plate ISO 5599-1
Mounting screw	M6 with hexagon socket
Mounting screw tightening torque	4 Nm
Weight	0.51 kg
Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material, front cover	Polyamide
Part No.	0820228101

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 less than 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 <https://www.emerson.com/en-us/support>).

5/3-directional valve, Series IS12, size 2

0820228101

Series IS12

2025-12-18

Dimensions

