

Series ES05



Technical data

Nominal flow Qn	610 l/min
Max. number of valve positions	12
Certificates	UR (Underwriters Laboratories)
Min. working pressure	-0.8 bar
Max. working pressure	8 bar
Min. control pressure	3 bar
Max. control pressure	8 bar
Min. ambient temperature	5 °C
Max. ambient temperature	50 °C
Min. medium temperature	5 °C
Max. medium temperature	50 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Max. particle size	40 µm
Protection class with connection	IP65 IP50
Operational voltage DC	24 V
Operational voltage electronics	24 V DC
Max. number of solenoid coils	24

Voltage tolerance DC	-15% / +10%
Duty cycle	100 %
Material end plate	Polyamide fiber-glass reinforced
Material base plate	Polyamide fiber-glass reinforced
Part No.	R480754999

Technical information

See the following pages on the series for technical data on individual components.

Do not permanently control more than 2 neighboring valves (see operating instructions)

Only use fittings with cylindrical threads (BSPP).

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

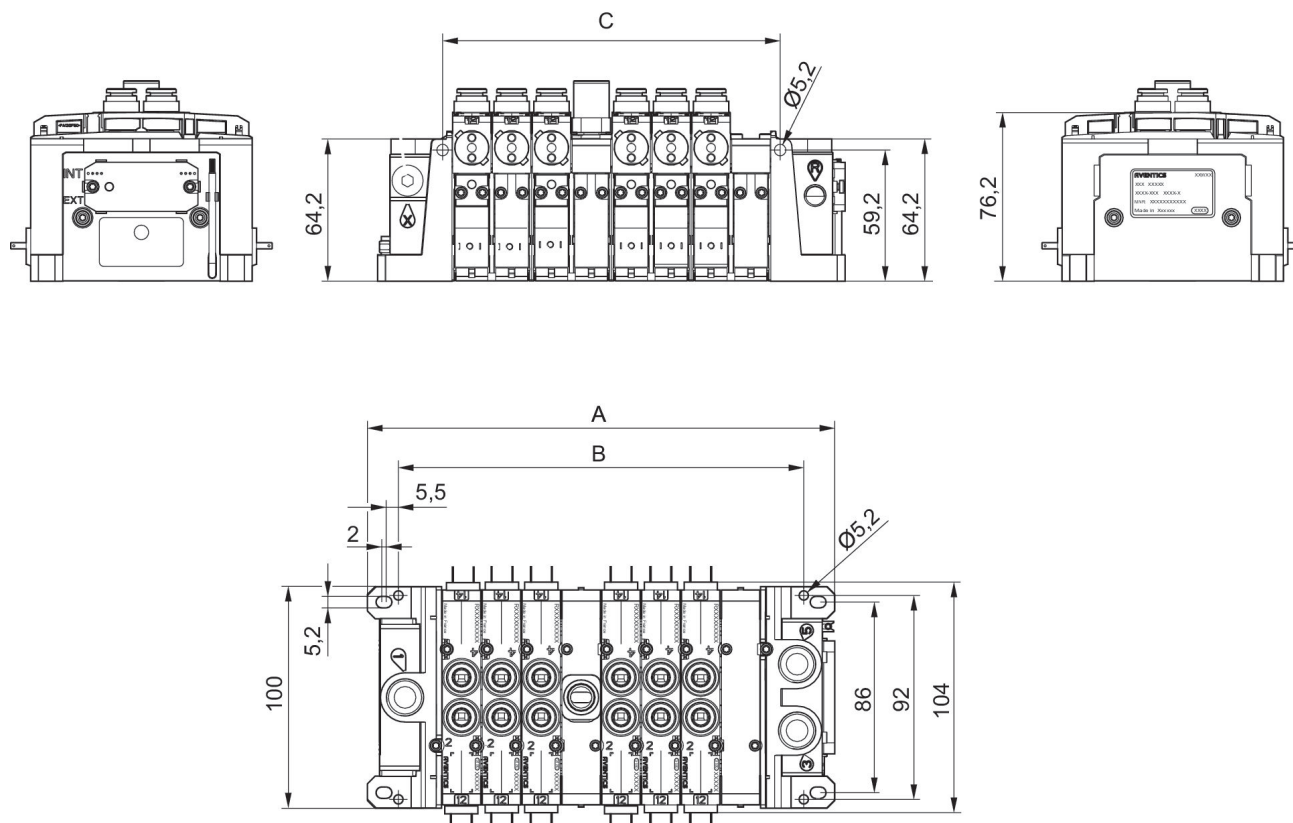
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

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>).

Dimensions

Valve plug connector form C industry



A = number of subbases x 36 + 67 mm B = number of subbases x 36 + 39 mm C = number of subbases x 36 + 8,4 mm

1 = compressed air connection, G3/8" 2, 4 = working connection, Ø8 or D3/8" 3, 5 = exhaust, G3/8" R = pilot exhaust air, G1/8" X = connection for external pilot, G1/8"

An example configuration is illustrated. The delivered product may thus deviate from the illustration.