

Series HF04



Technical data

Activation

Blocking principle

Nominal flow Qn

Max. number of valve positions

Min. working pressure

Max. working pressure

Min. control pressure

Max. control pressure

Min. ambient temperature

Max. ambient temperature

Min. medium temperature

Max. medium temperature

Medium

Min. oil content of compressed air

Max. oil content of compressed air

Max. particle size

Protection class with connection

Operational voltage DC

Max. number of solenoid coils

Electrically

Double base plate principle

400 l/min

24

-0.9 bar

10 bar

3 bar

8 bar

-5 °C

50 °C

0 °C

50 °C

Compressed air

0 mg/m³

5 mg/m³

5 µm

IP65

24 V

24

Voltage tolerance DC	-10 % / +10 %
Material end plate	Aluminum
Material plug box	Polyamide
Material base plate	Polyamide
Part No.	R480700867

Technical information

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

For push-in fittings, only use plug accessories made of plastic (polyamide) from our catalog.

It is necessary to maintain the electrical current in the coil of double solenoid valves to avoid unexpected auto-switching.

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

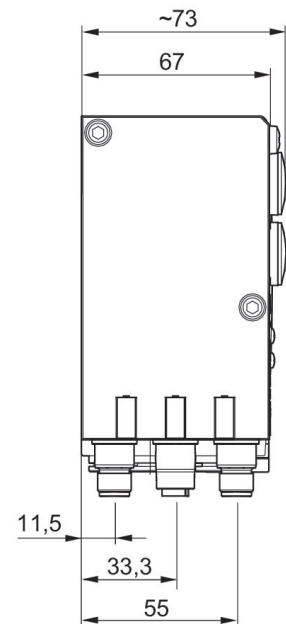
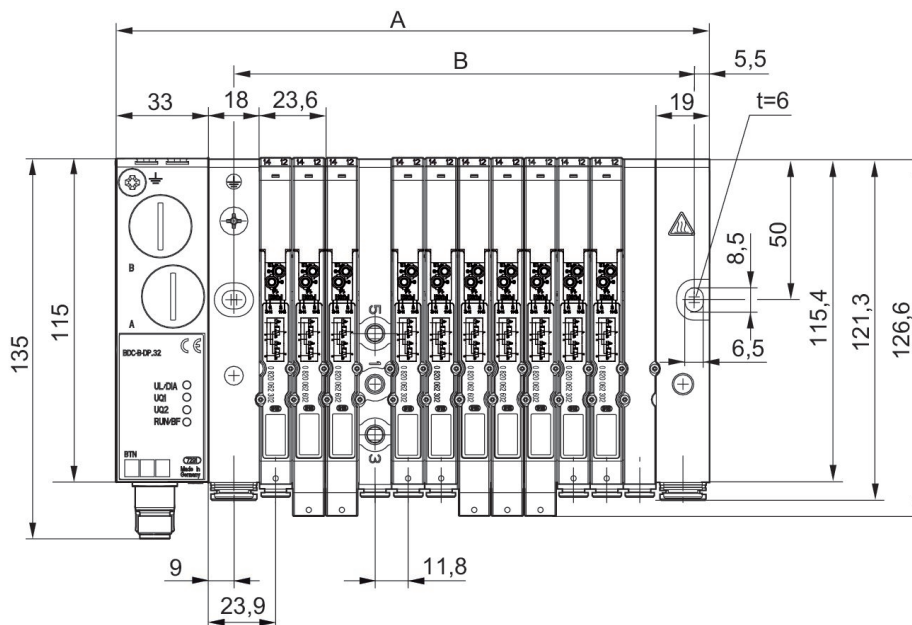
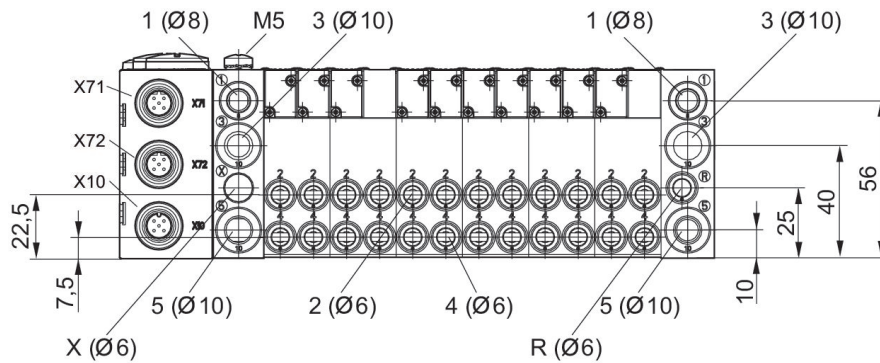
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

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 in mm

Direct fieldbus connection



1 = plug-in connection Ø 8 mm or plug-in connection 3/8" (inch) 2 and 4 = plug-in connections Ø 6 mm or thread connections M7 (inch) 3 and 5 = plug-in connections Ø 10 mm or plug-in connections 3/8" (inch) R = collected pilot exhaust, plug-in connection Ø 6 mm or plug-in connection 1/4" (inch) X = external pilot, plug-in connection Ø 6 mm or plug-in connection 1/4" (inch), connection X plugged with internal pilot control
An example configuration is illustrated. The delivered product may thus deviate from the illustration.