

Series HF03-LG



Technical data

Activation

Blocking principle

Nominal flow Q_n

Max. number of valve positions

Certificates

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

Electrically

Single base plate principle

1400 l/min

16

UR (Underwriters Laboratories)

-0.9 bar

10 bar

3 bar

10 bar

0 °C

50 °C

0 °C

50 °C

Compressed air

0 mg/m³

5 mg/m³

5 µm

IP65

24 V

Operational voltage electronics	24 V DC
Voltage tolerance DC	-15% / +20%
Material end plate	Aluminum Polyamide
Material base plate	Polyamide
Part No.	R480721382

Technical information

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

The technical data for the electronics (link structures) can be found in the section “Fieldbus Connections”.

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 pilot valve is UL (Underwriters Laboratories) certified.

ATEX: AV valve systems are certified components in accordance with directive 2014/34/EU. The maximum input power must not exceed 20 W. The valve system must be installed in an ATEX-certified control cabinet with at least IP 54. The maximum expansion stage is set in the configurator. Min./max. ambient temperature -10 ... 45 °C Min./max. medium temperature -10 ... 45 °C

ATEX-certified valve systems with identification II 3G Ex nA IIC Gc can be generated in the Internet configurator.

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>).

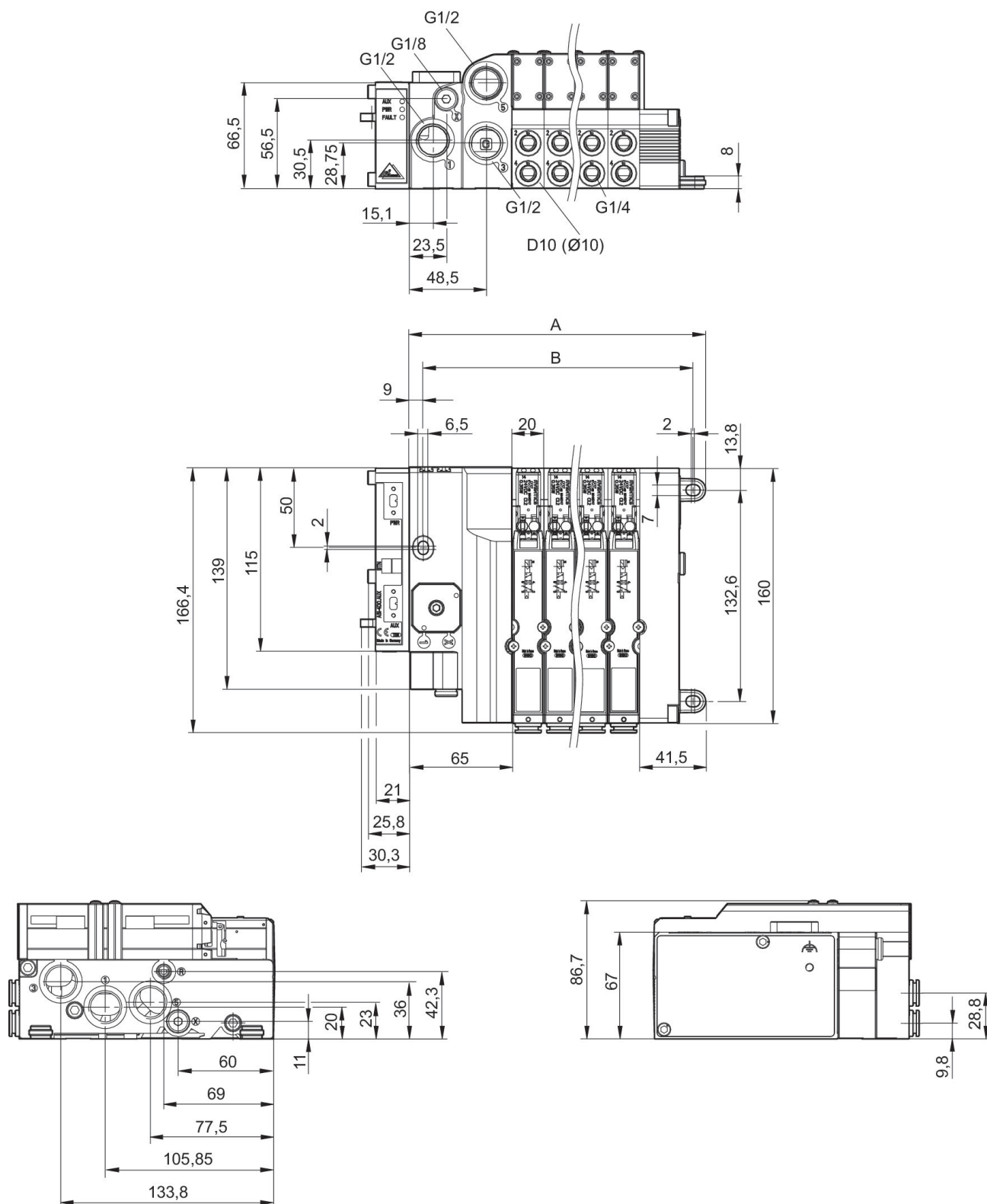
Dimensions

Valve system, Series HF03-LG

2024-05-31

R480721382

4DO-AUX



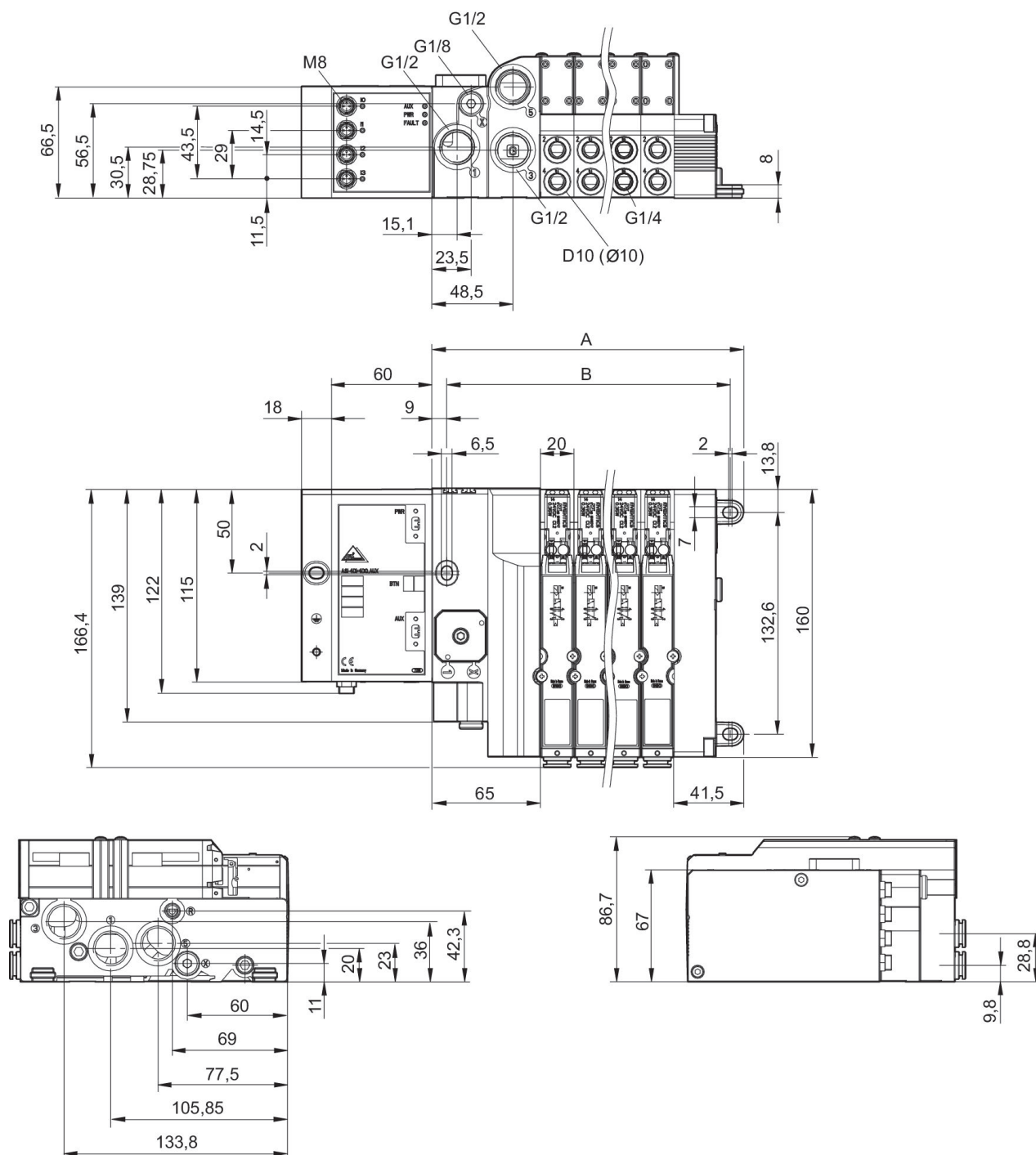
Dimensions

Valve system, Series HF03-LG

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R480721382

4DI/4DO-AUX



R480721382

8DO-AUX



Valve system, Series HF03-LG

2024-05-31

R480721382

8DI/8DO-AUX

