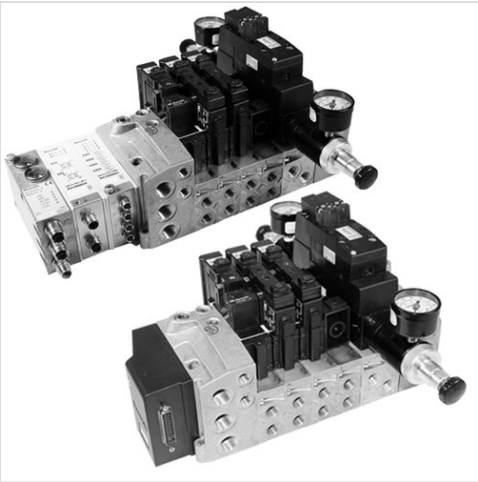








Valve system, Series CD01-PI


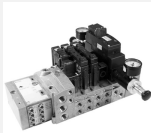
- Configurable valve systems



Blocking principle	Single base plate principle Double base plate principle
Standards	ISO 15407-2, 26 mm
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-5 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1010 l/min
Operational voltage electronics	24 V DC
Number of valve positions max.	12
Protection class with connection	IP55
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%

Overview of variants

	Version	You have the following options:
	Multipole	Electrical connection D-Sub plug, 25-pin
	Multipole	Electrical connection D-Sub 37-pin
	Multipole	Electrical connection M23, 19-pin
	Direct field bus connection	B-design
	Field bus connection with I/O functionality (CMS)	B-design
	Connection with diagnosis (DDL)	B-design

	Version	You have the following options:
	Connection with diagnosis, optionally with I/O function (DDL)	B-design
	Field bus connection with AS i	B-design

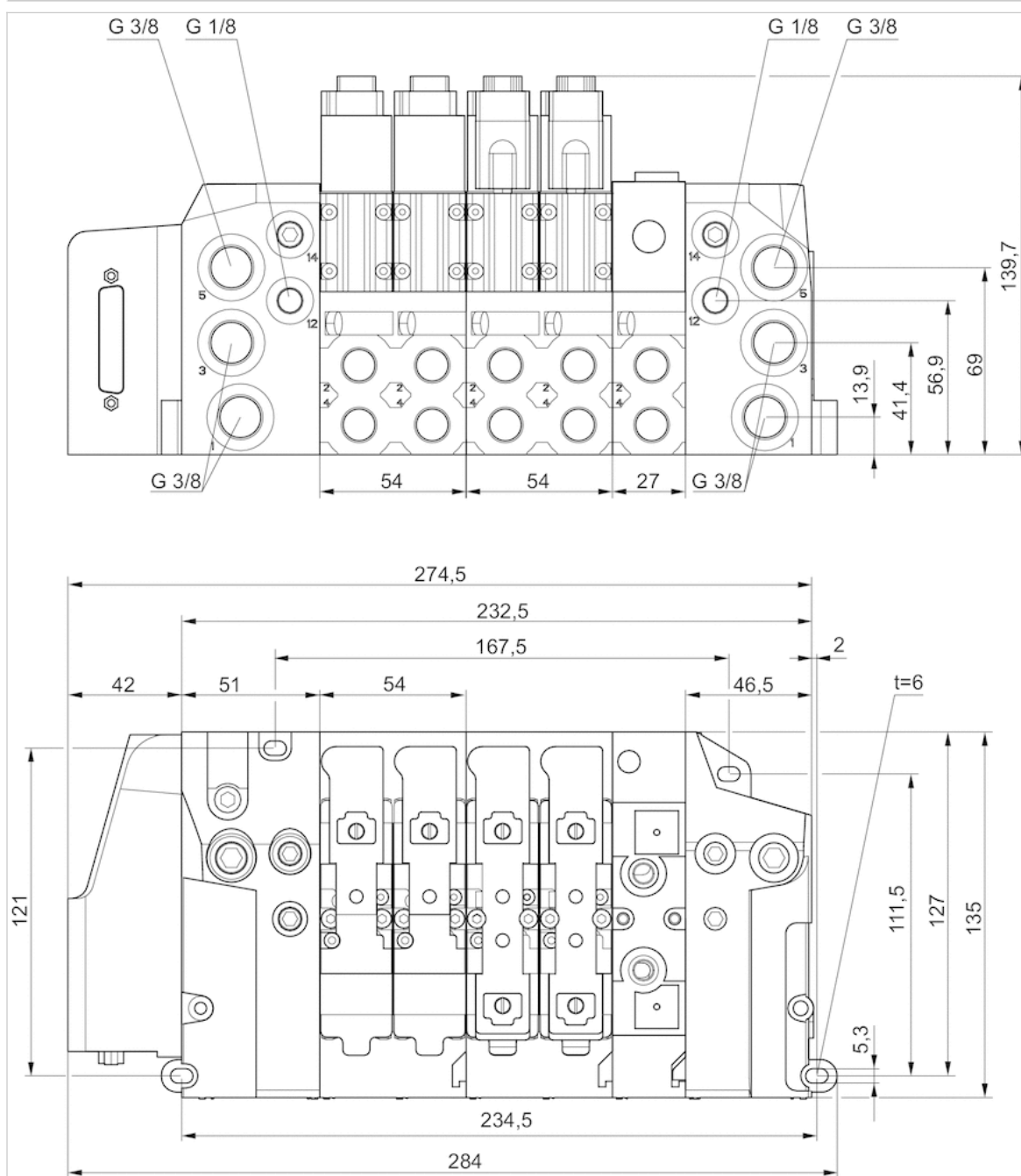
Technical information

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).

See the following pages on the series for technical data on individual components.
 Working pressure and control pressure depend on the valve configuration.
 A diagram of the multipole plug's contact assignment can be found in the operating instructions. It is also included in the valve unit's scope of delivery.

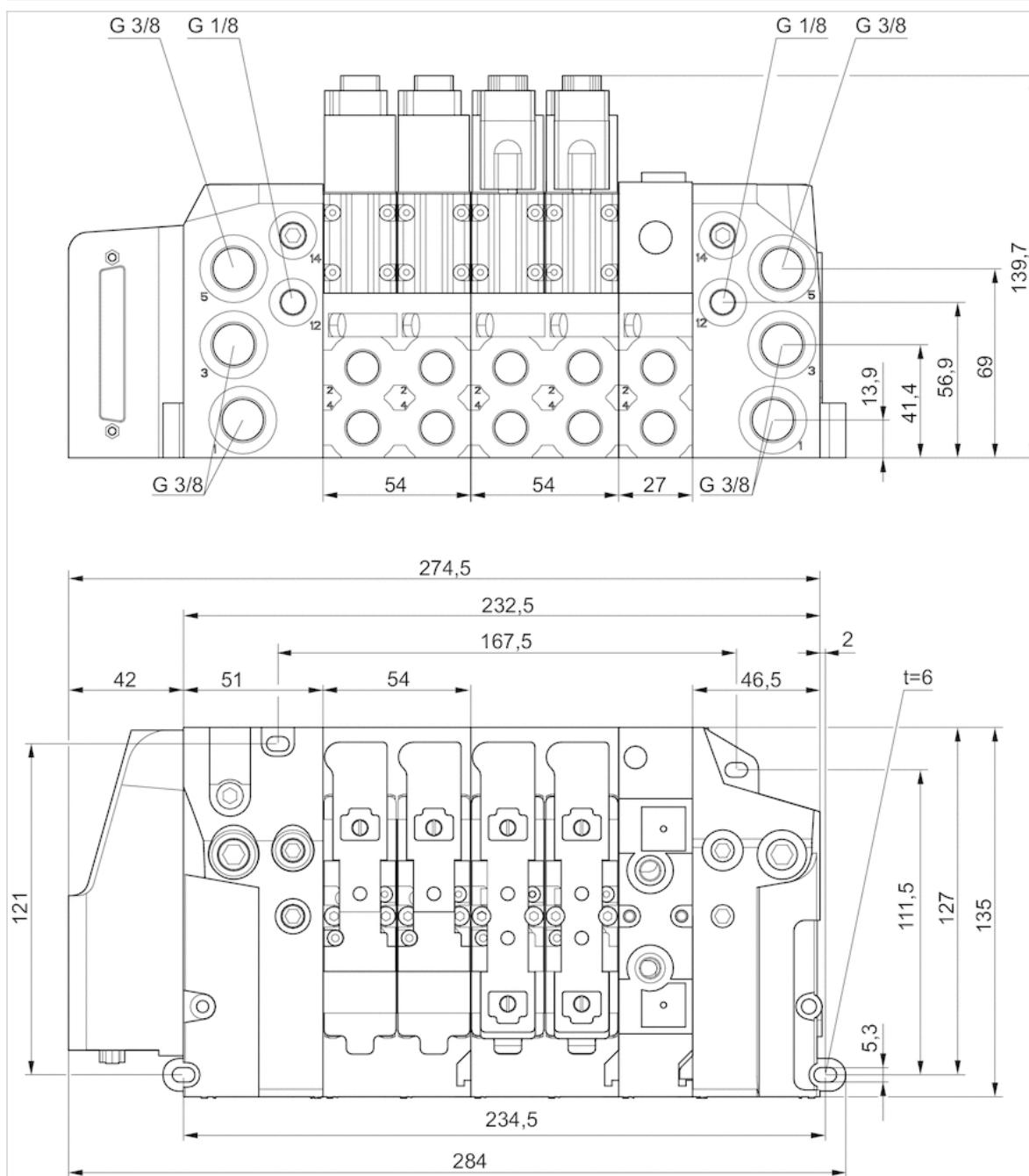
Dimensions

Dimensions D-Sub plug 25-pin top



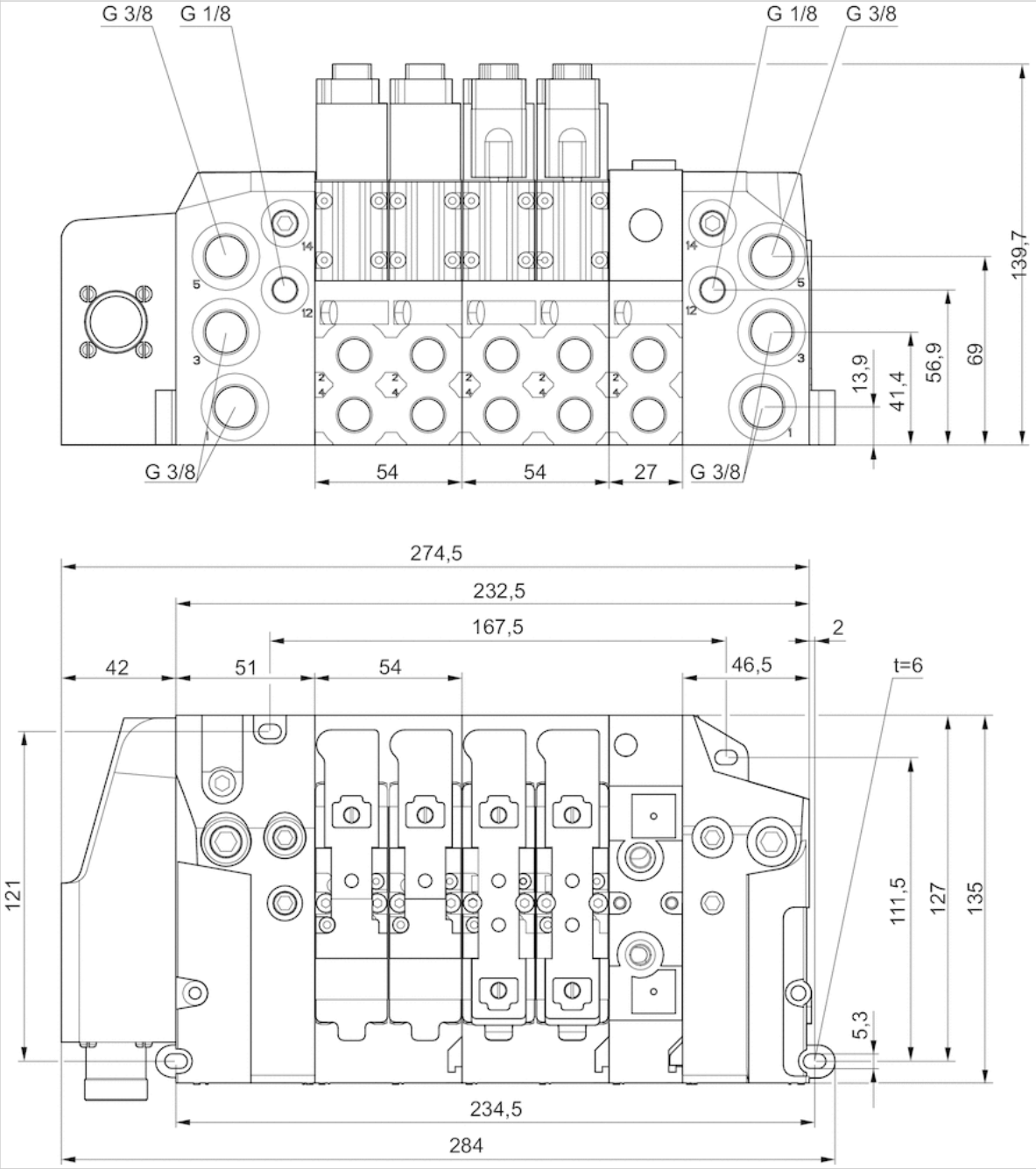
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions D-Sub plug 37-pin top



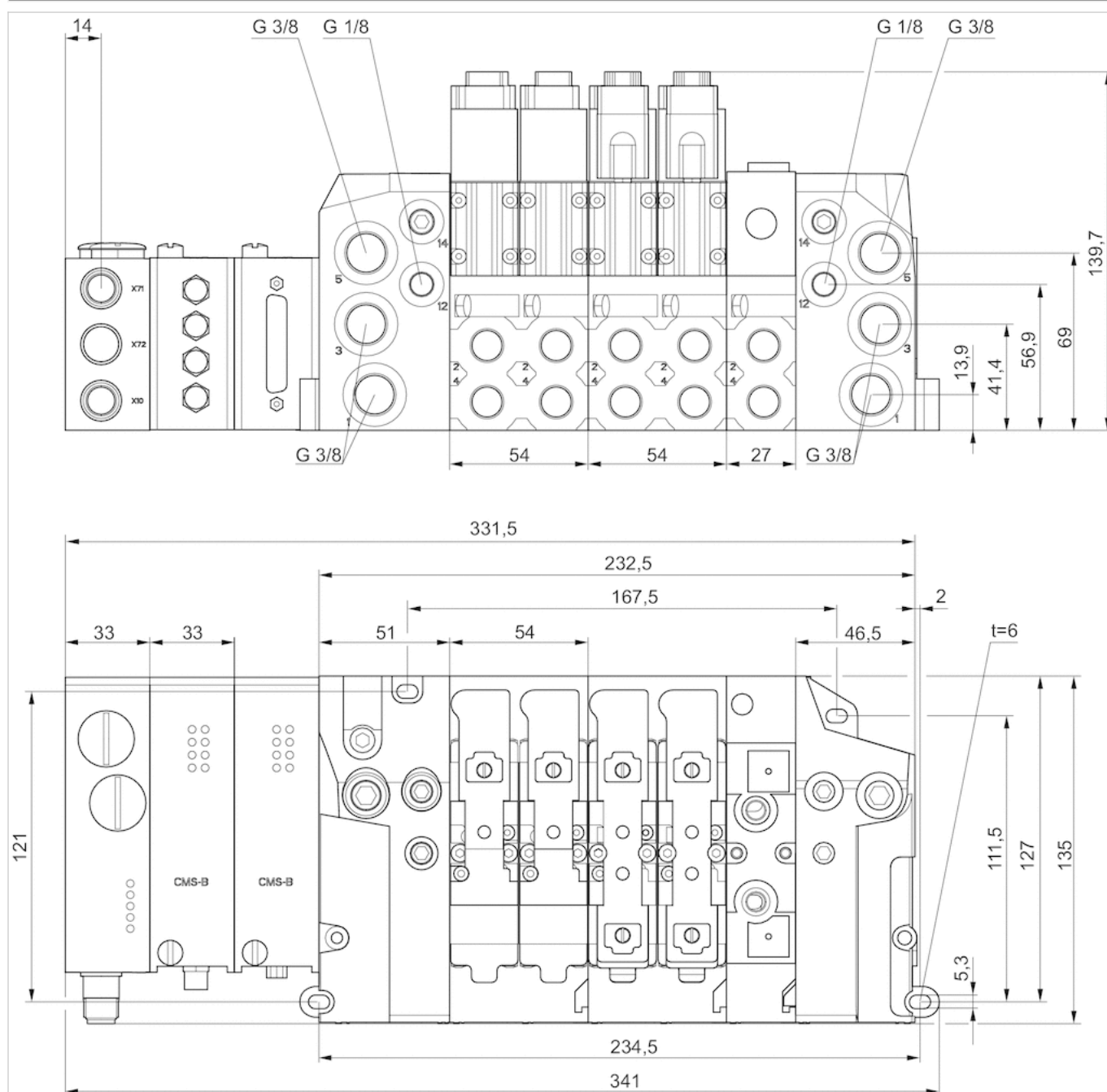
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions M23 19-pin



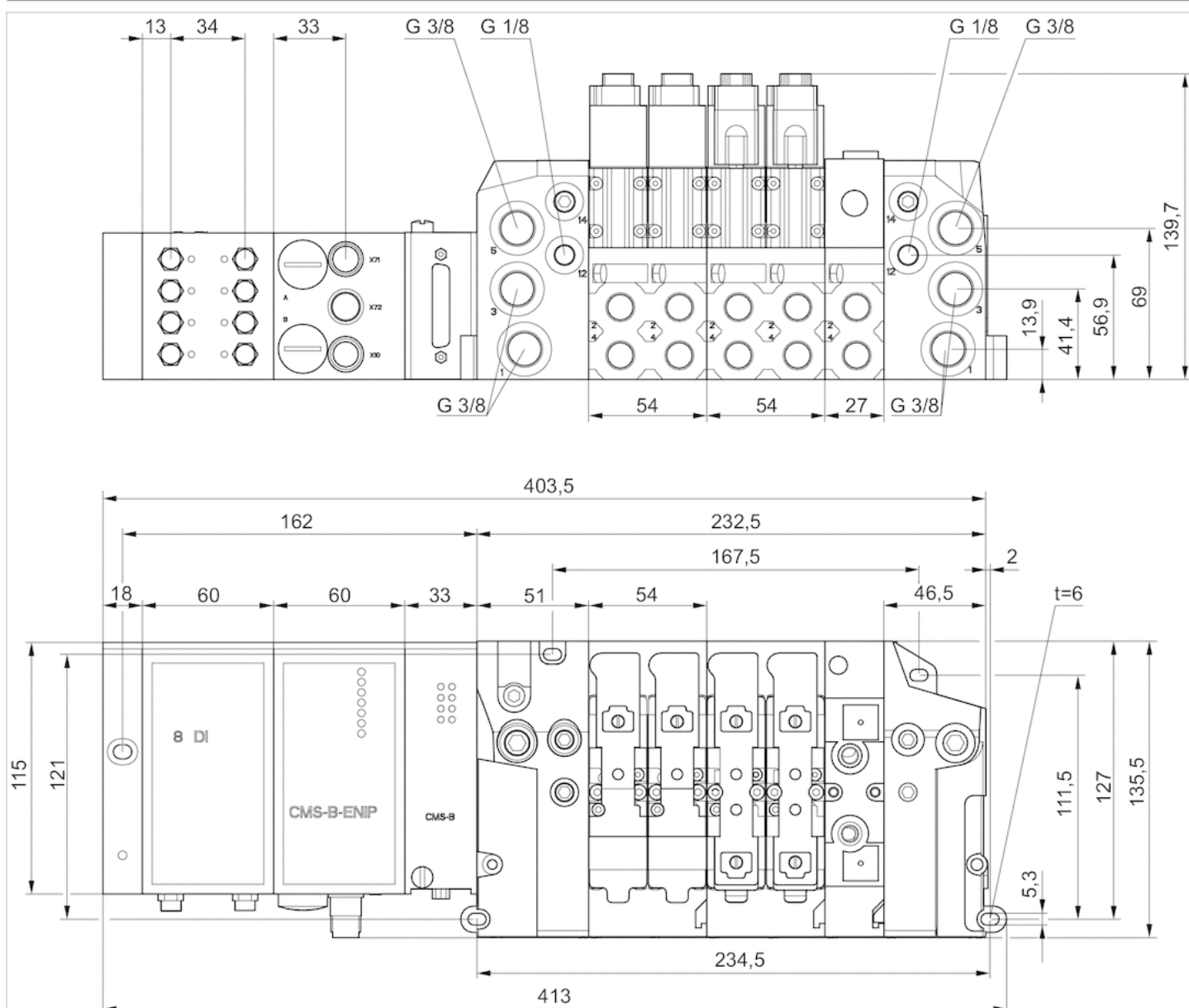
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions Direct field bus connection (BDC)



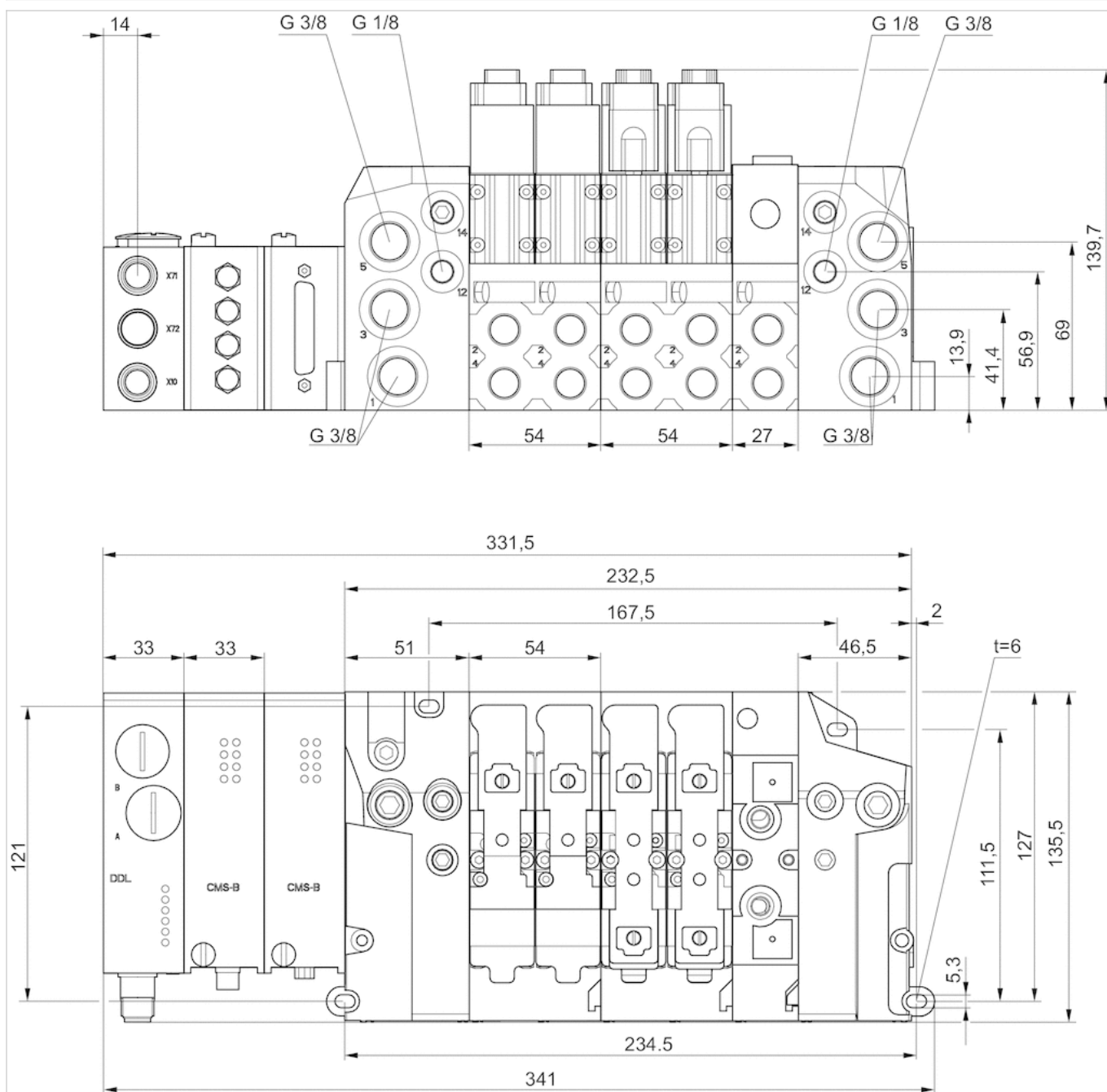
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions Optional field bus connection with I/O function (CMS)



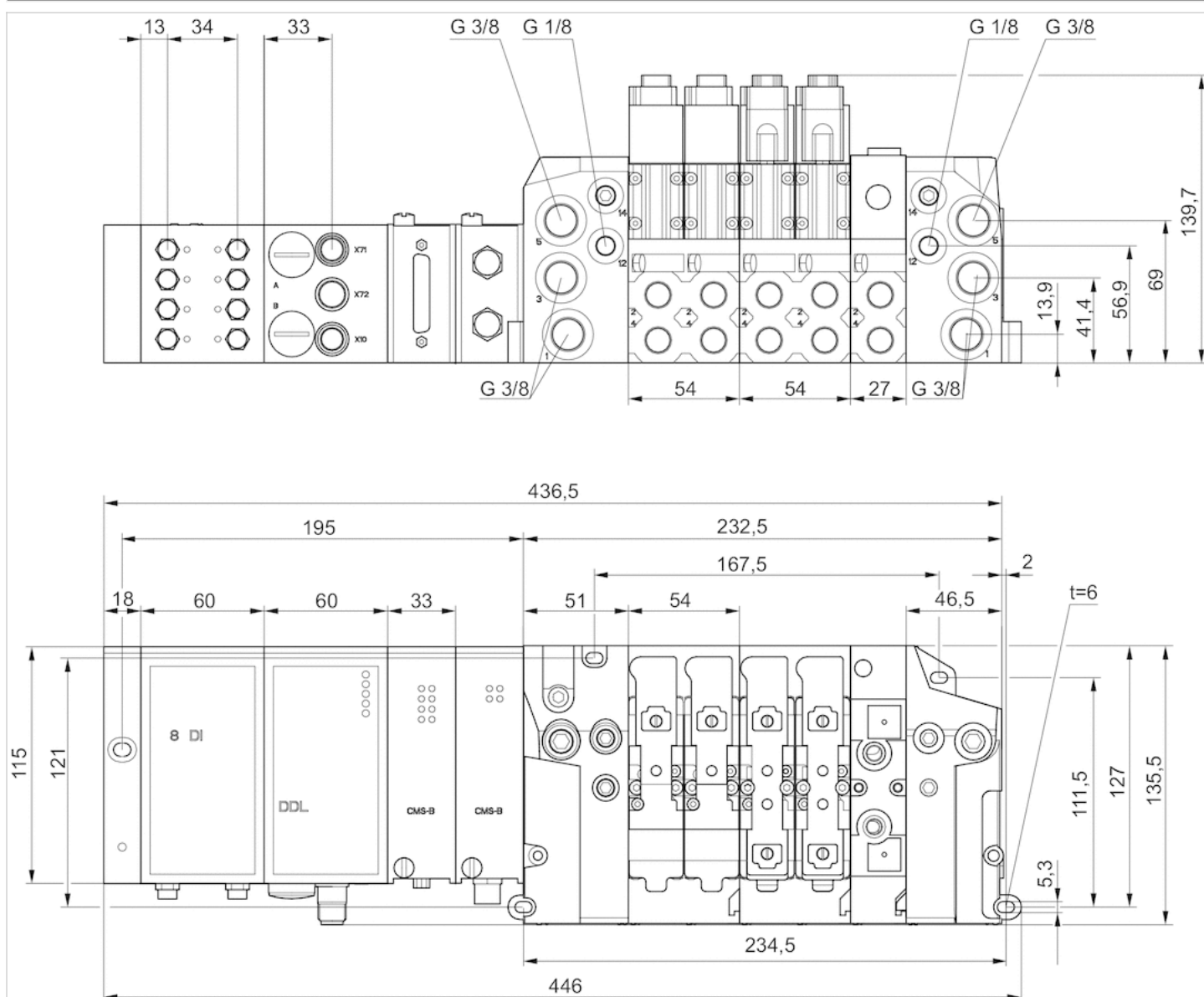
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions Connection with diagnosis (DDL)



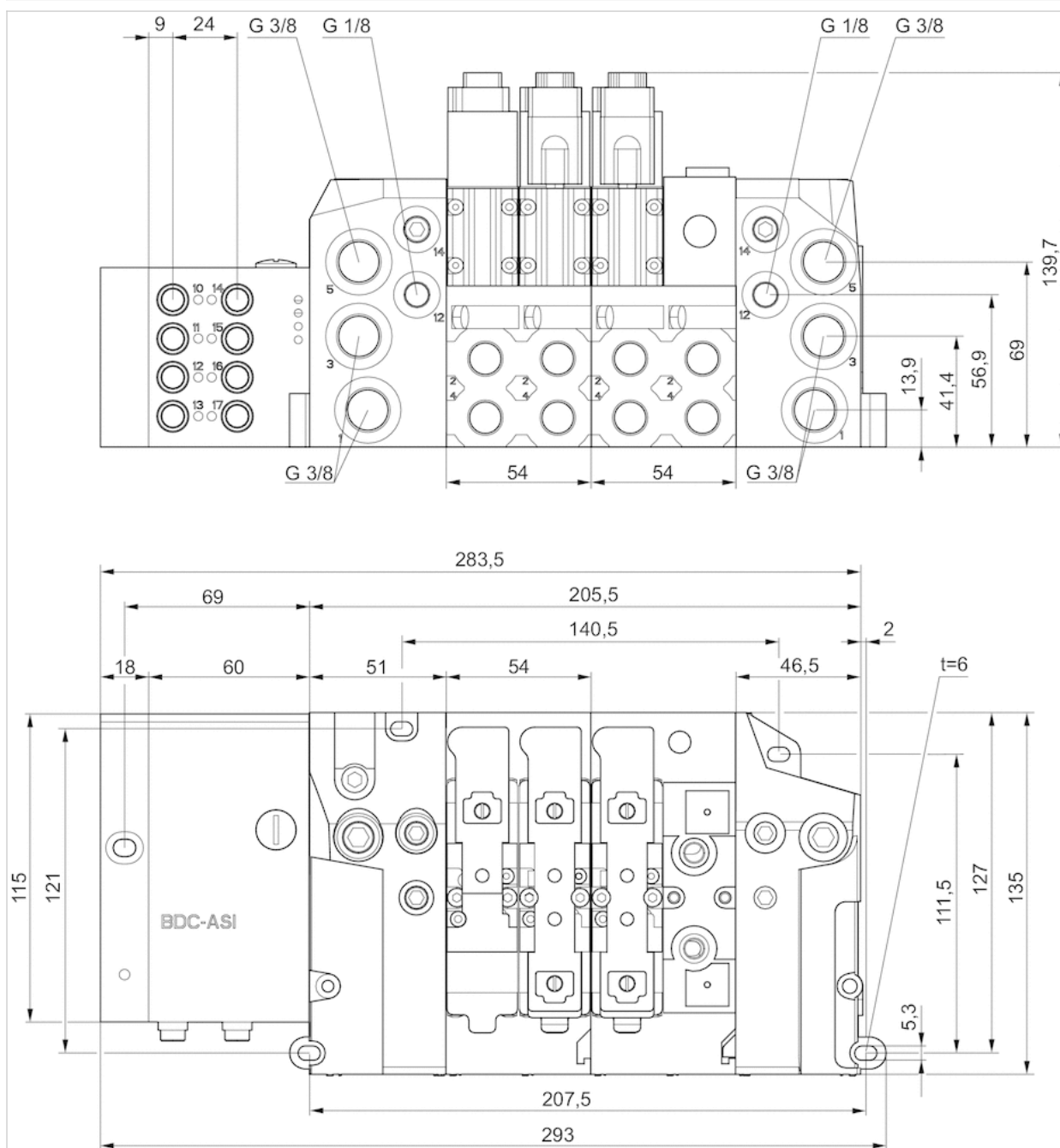
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Dimensions Fieldbus connection with diagnosis (DDL)



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

Dimensions Field bus connection with AS i



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