Valve system, Series TC15

- Configurable valve systems

Blocking principle	Plate principle
Working pressure min./max.	-0,9 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1500 l/min
Number of valve positions max.	12
Protection class with connection	IP65

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

Overview of variants

	Version	You have the following options:
	Single plug-in wiring	Electrical connection Plug M8 plug, form C Valve plug connector

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).

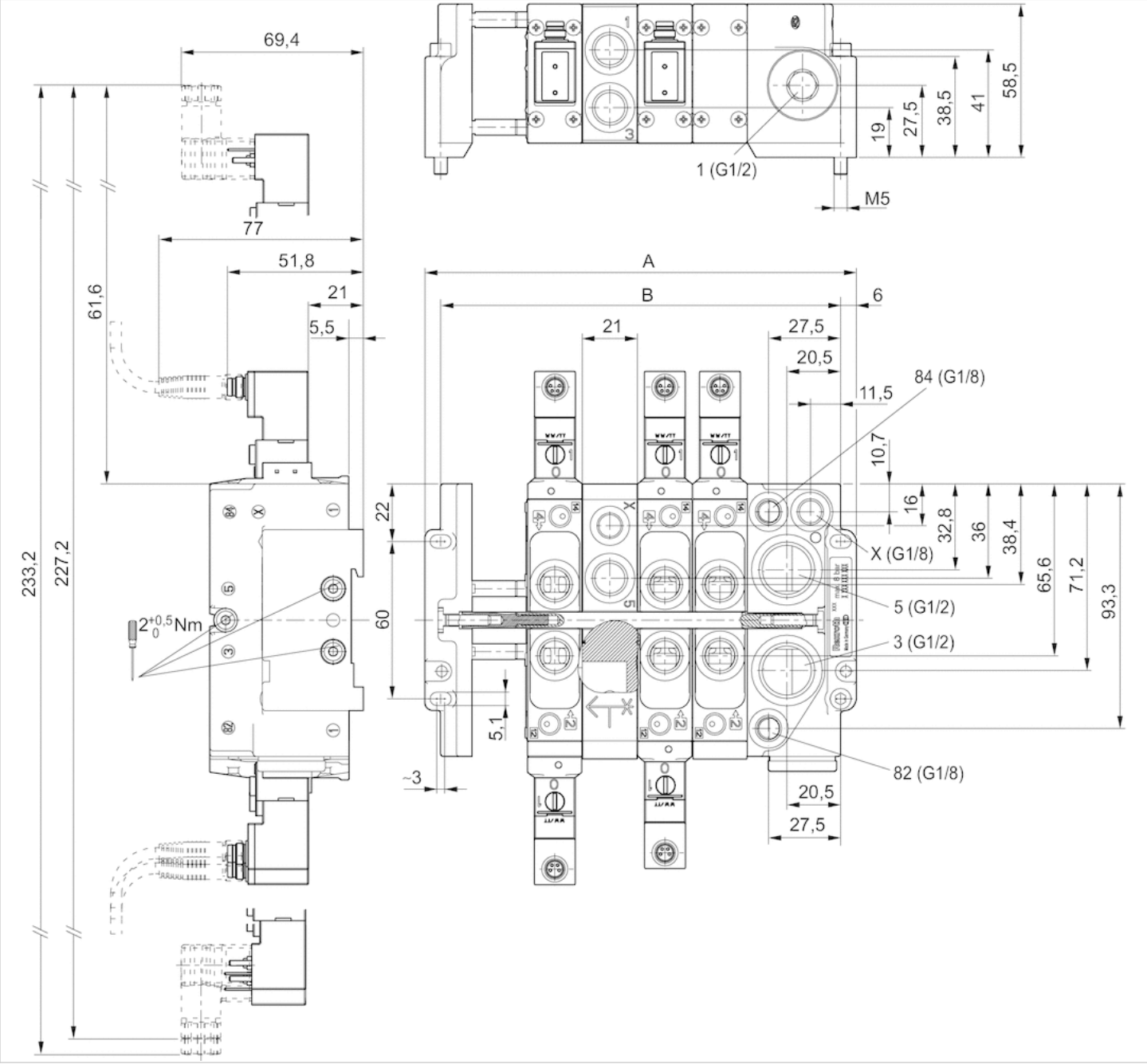
See the following pages on the series for technical data on individual components.
It is necessary to maintain the electrical current in the coil of double solenoid valves to avoid unexpected auto-switching.

Technical information

Material	
End plate	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber
Base plate	Polyamide

Dimensions

Dimensions in mm, pneumatic subbase, right, Thread connections acc. to ISO 228-1



An example configuration is illustrated. The delivered product may thus deviate from the illustration.
Mounted via 4 through-holes in the end plates or assembly on DIN rail as per EN 60715

Dimensions

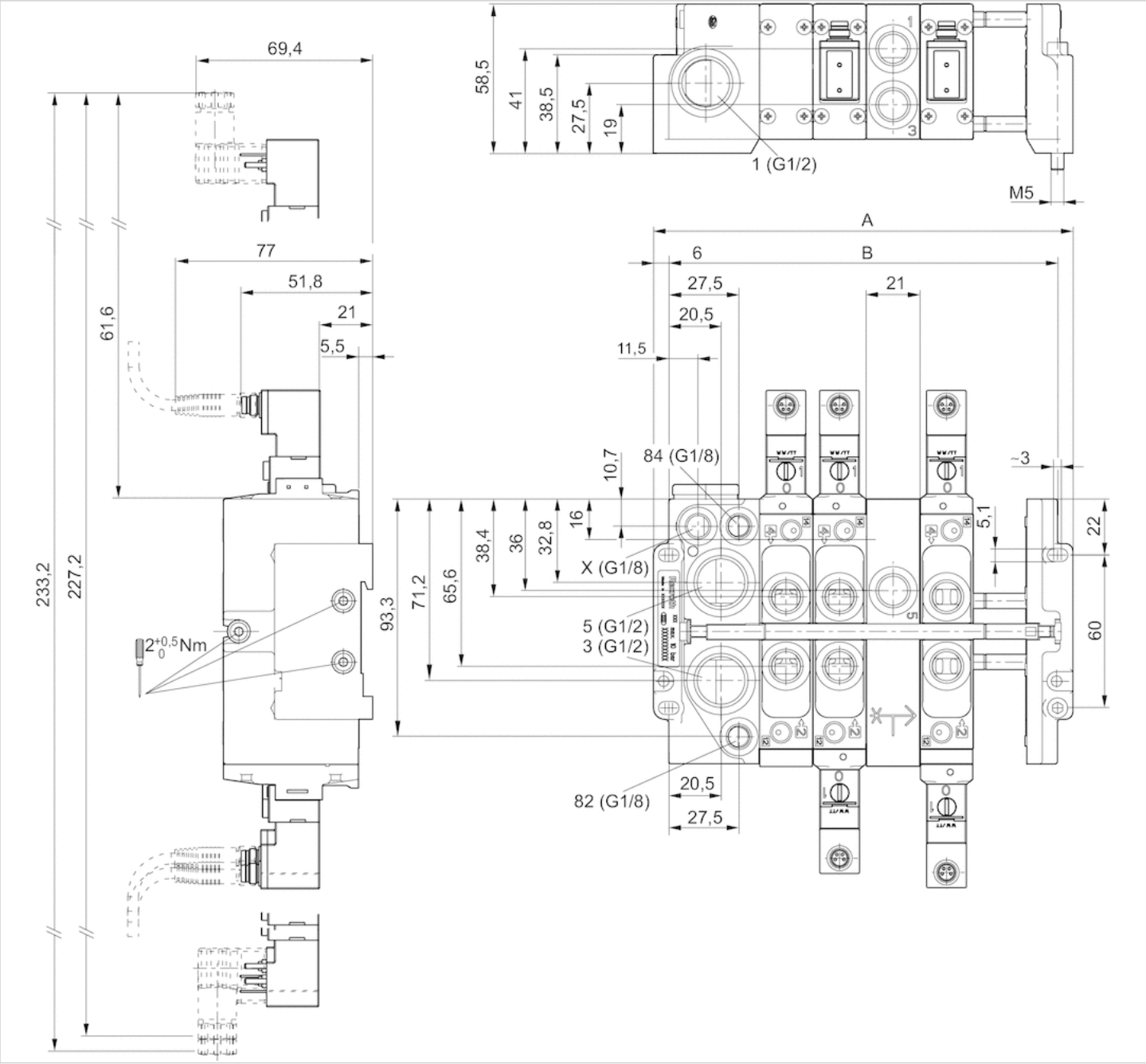
n	A	B
2	101.5	89.5
3	122.5	110.5
4	143.5	131.5
5	164.5	152.5
6	185.5	173.5

n	A	B
7	206.5	194.5
8	227.5	215.5
9	248.5	236.5
10	269.5	257.5
11	290.5	278.5
12	311.5	299.5

n = number of valve positions

Dimensions

Dimensions in mm, pneumatic subbase, left, Thread connections acc. to ISO 228-1



An example configuration is illustrated. The delivered product may thus deviate from the illustration.
Mounted via 4 through-holes in the end plates or assembly on DIN rail as per EN 60715

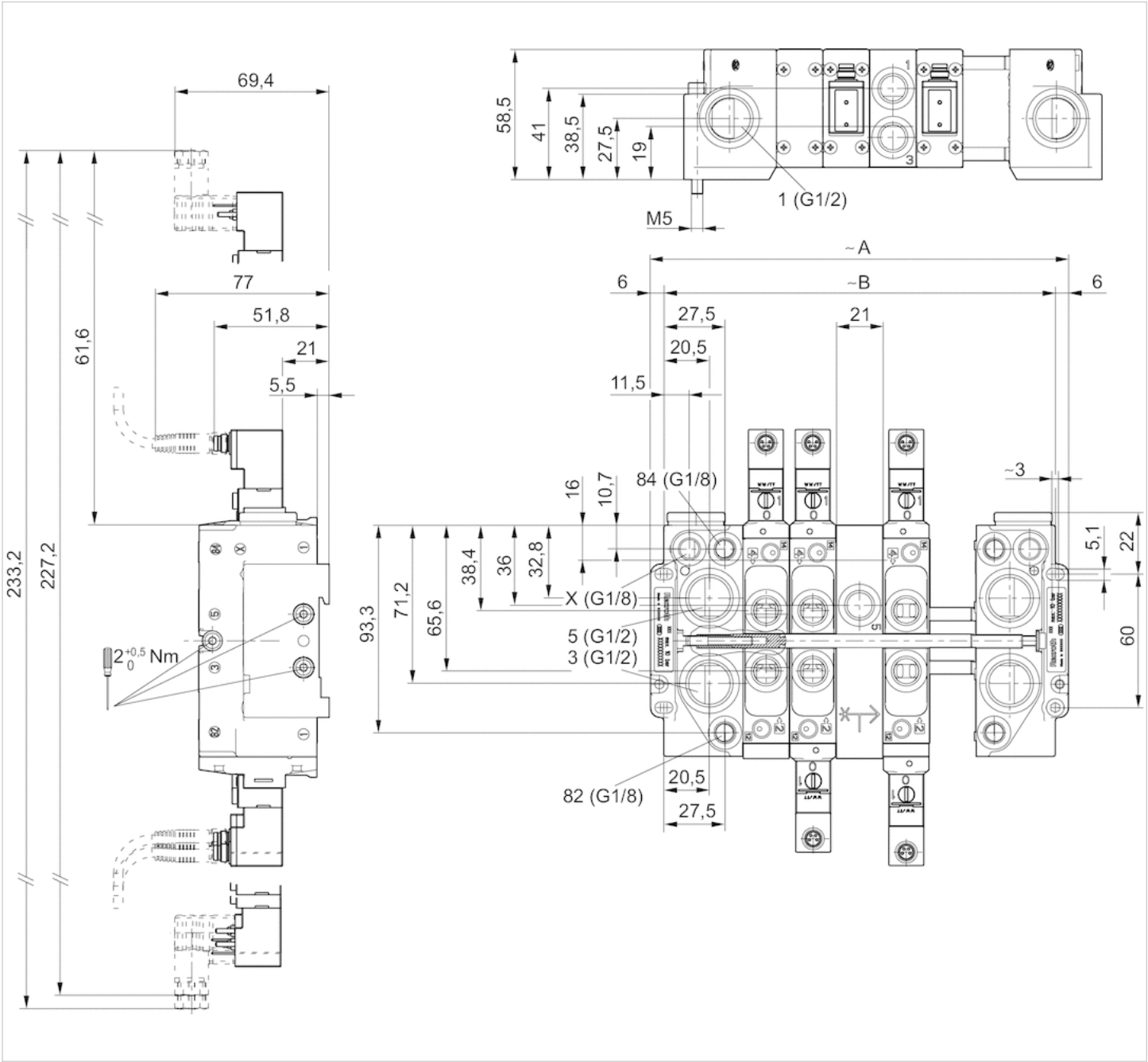
Dimensions

n	A	B
2	101.5	89.5
3	122.5	110.5
4	143.5	131.5
5	164.5	152.5
6	185.5	173.5
7	206.5	194.5
8	227.5	215.5
9	248.5	236.5
10	269.5	257.5
11	290.5	278.5
12	311.5	299.5

n = number of valve positions

Dimensions

Dimensions in mm, pneumatic subbase on both sides, Thread connections acc. to ISO 228-1



An example configuration is illustrated. The delivered product may thus deviate from the illustration.
Mounted via 4 through-holes in the end plates or assembly on DIN rail as per EN 60715

Dimensions

n	A	B
2	125	113
3	146	134
4	167	155
5	188	176
6	209	197

n	A	B
7	230	218
8	251	239
9	272	260
10	293	281
11	314	302
12	335	323

n = number of valve positions