









5/2-directional valve, Series CD02-AL

- ISO 15407-1
- 18 mm
- 5/2
- With spring/air spring return
- double solenoid single solenoid
- $Q_n = 450 \text{ l/min}$
- Compressed air connection output VDMA 02 base plate
- Electrical connection Plug, M12, 3-pin
- Manual override with detent



Type	Spool valve, positive overlapping
Sealing principle	Soft sealing
Blocking principle	Base plate principle, multiple
Connection type	Plate connection
Standards	ISO 15407-1, 18 mm
Connector standard	EN 61076-2-101
Working pressure min./max.	See table below
Control pressure min./max.	2,5 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q_n	450 l/min
Protection class with connection	IP65
Protective circuit	TVS diode
LED status display	Yellow
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M3
Weight	0,12 kg

Technical data

Part No.		MO	Operational voltage DC	Voltage tolerance DC
7472D02832			24 V	-15% / +20%
7472D02836			24 V	-15% / +20%
7472D02831			24 V	-15% / +20%
7472D02835			24 V	-15% / +20%

Part No.	Power consumption DC	Pilot	Working pressure min./max.
7472D02832	0,35 W	Internal	2,5 ... 10 bar
7472D02836	0,35 W	External	-0,8 ... 10 bar
7472D02831	0,35 W	Internal	2,5 ... 10 bar

Part No.	Power consumption DC	Pilot	Working pressure min./max.
7472D02835	0,35 W	External	-0,8 ... 10 bar

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve
7472D02832	14 ms	14 ms	Plug M12 3-pin
7472D02836	14 ms	14 ms	Plug M12 3-pin
7472D02831	12 ms	21 ms	Plug M12 3-pin
7472D02835	12 ms	21 ms	Plug M12 3-pin

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

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.

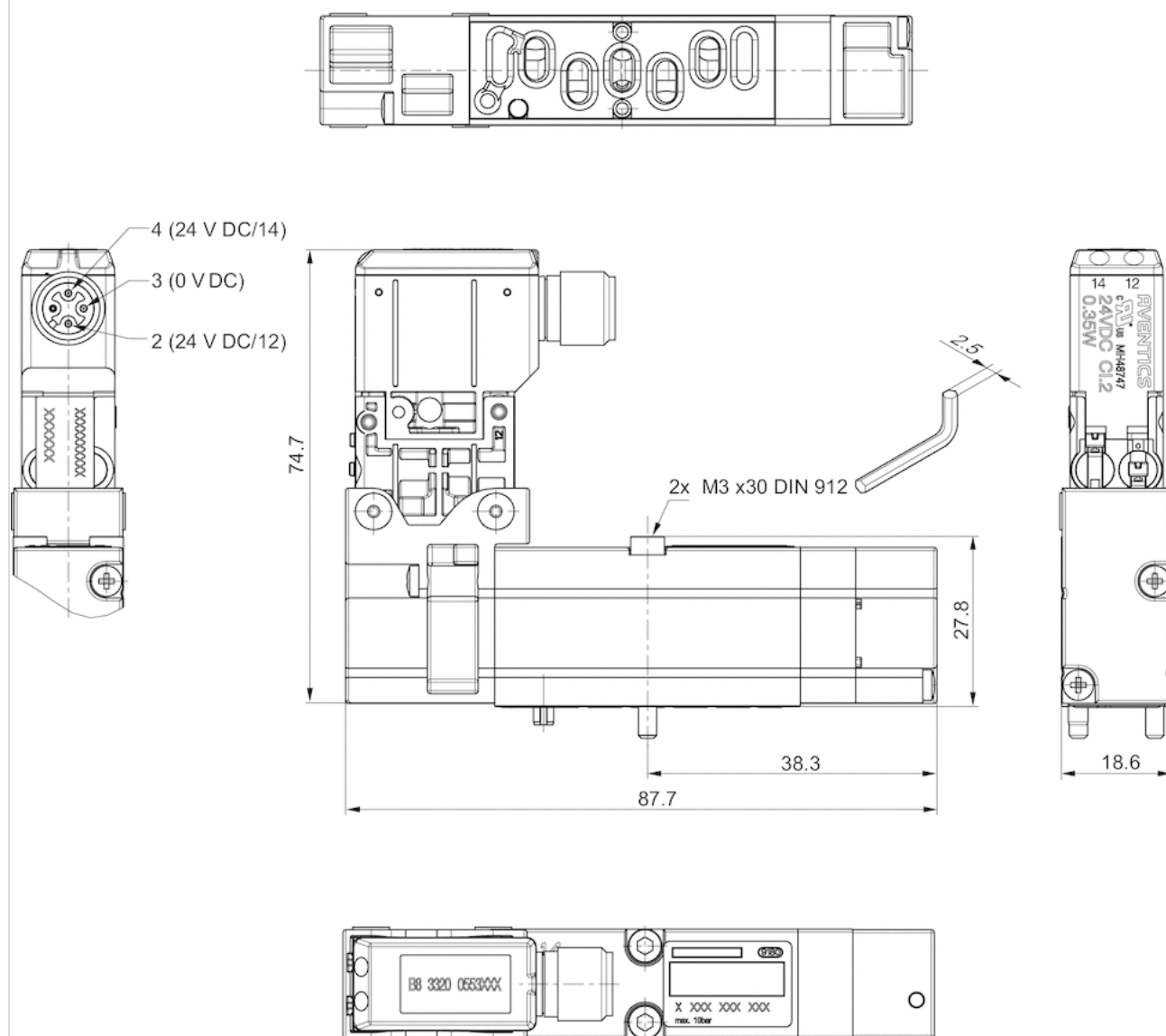
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Housing	Aluminum, anodized
Seals	Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Front plate	Polyamide

Dimensions

Dimensions



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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