2 x 3/2-directional valve, Series CD02-AL

- ISO 15407-1
- 18 mm
- 2x3/2
- NC/NC NO/NO NO/NC
- Qn = 450 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/m³
Nominal flow Qn	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
7472D02820			NC/NC	24 V	-15% / +20%
7472D02826			NC/NC	24 V	-15% / +20%
7472D02821			NO/NO	24 V	-15% / +20%
7472D02827			NO/NO	24 V	-15% / +20%
7472D02822			NO/NC	24 V	-15% / +20%
7472D02828			NO/NC	24 V	-15% / +20%

Part No.	Power consumption DC	Pilot	Working pressure min./max.

Part No.	Power consumption DC	Pilot	Working pressure min./max.
7472D02820	0,35 W	Internal	2,5 ... 10 bar
7472D02826	0,35 W	External	-0,8 ... 10 bar
7472D02821	0,35 W	Internal	2,5 ... 10 bar
7472D02827	0,35 W	External	-0,8 ... 10 bar
7472D02822	0,35 W	Internal	2,5 ... 10 bar
7472D02828	0,35 W	External	-0,8 ... 10 bar

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve
7472D02820	13 ms	25 ms	Plug M12 3-pin
7472D02826	13 ms	25 ms	Plug M12 3-pin
7472D02821	12 ms	20 ms	Plug M12 3-pin
7472D02827	12 ms	20 ms	Plug M12 3-pin
7472D02822	13 ms	25 ms	Plug M12 3-pin
7472D02828	12 ms	25 ms	Plug M12 3-pin

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

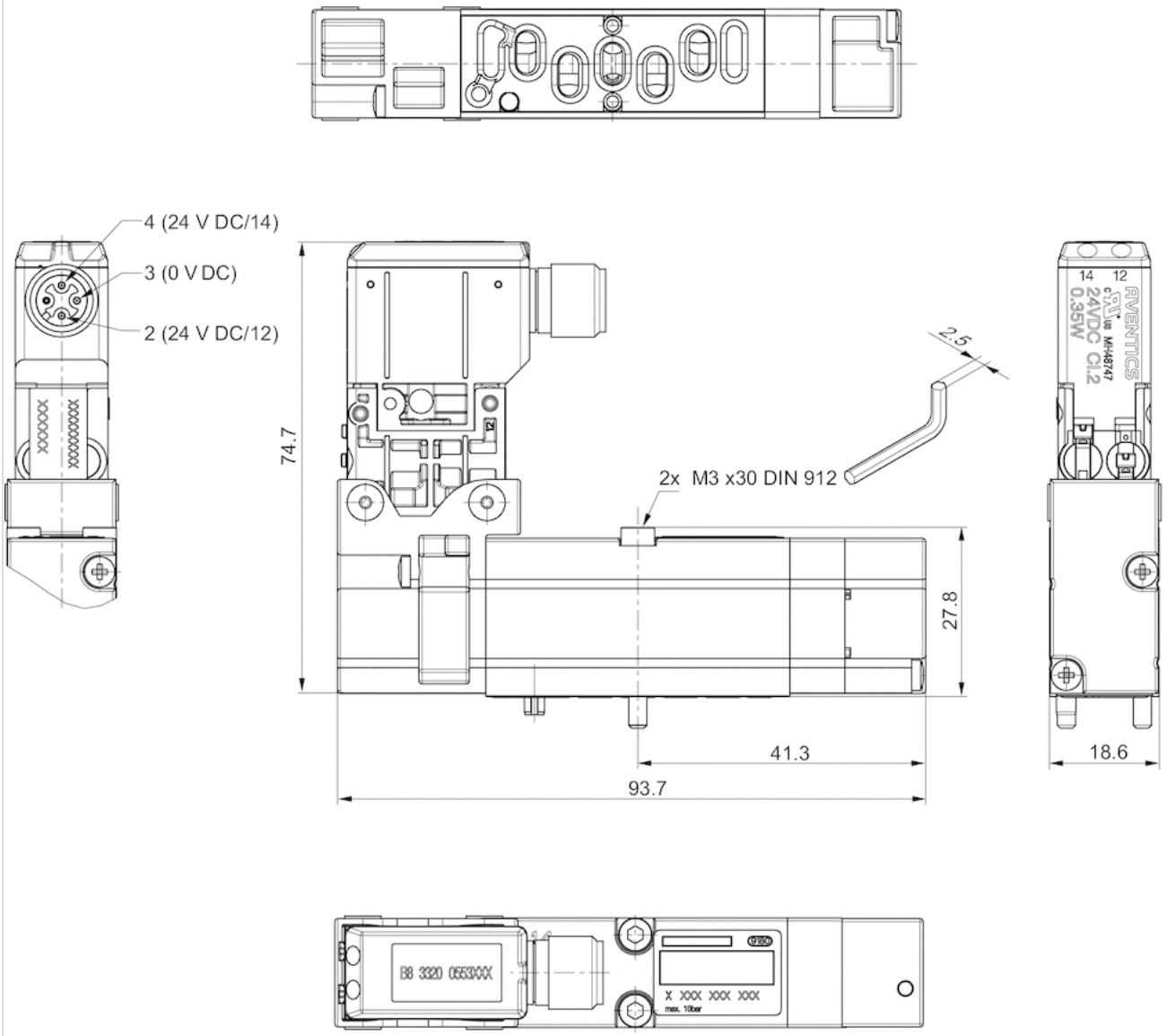
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only 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



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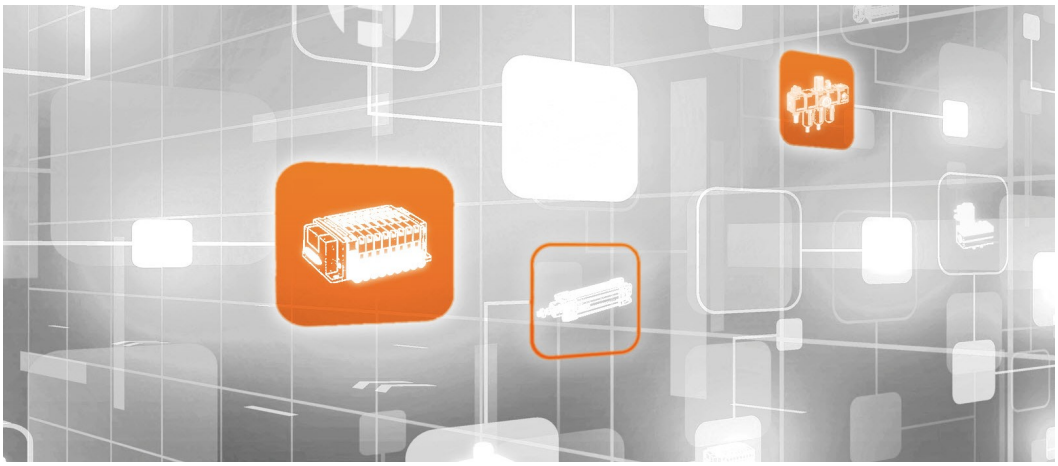

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