

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

- ISO 15407-1
- 18 mm
- 2x3/2
- NC/NC NO/NO NO/NC
- $Q_n = 450 \text{ l/min}$
- Compressed air connection output VDMA 02 base plate
- Electrical connection 2, Plug, ISO 15217, form C
- Manual override with detent



Type	Spool valve, positive overlapping
Pilot	Internal
Sealing principle	Soft sealing
Blocking principle	Base plate principle, multiple
Connection type	Plate connection
Standards	ISO 15407-1, 18 mm
Connector standard	ISO 15217
Working pressure min./max.	2,2 ... 10 bar
Control pressure min./max.	2,2 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Q_n	450 l/min
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	24 ms
Mounting screw	M3
Weight	0,16 kg

Technical data

Part No.		MO		Operational voltage DC	Operational voltage AC 50 Hz
0820037304			NC/NC	-	24 V
0820037302			NC/NC	24 V	-
0820037303			NC/NC	24 V	-
0820037305			NC/NC	-	110 V
0820037301			NC/NC	-	230 V
0820037328			NO/NO	-	24 V
0820037326			NO/NO	24 V	-
0820037327			NO/NO	24 V	-
0820037329			NO/NO	-	110 V
0820037325			NO/NO	-	230 V
0820037353			NO/NC	-	24 V
0820037351			NO/NC	24 V	-
0820037352			NO/NC	24 V	-
0820037354			NO/NC	-	110 V
0820037350			NO/NC	-	230 V

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
0820037304	24 V	-	-10% / +10%	-10% / +10%
0820037302	-	-10% / +10%	-	-
0820037303	-	-10% / +10%	-	-
0820037305	110 V	-	-10% / +10%	-10% / +10%
0820037301	230 V	-	-10% / +10%	-10% / +10%
0820037328	24 V	-	-10% / +10%	-10% / +10%
0820037326	-	-10% / +10%	-	-
0820037327	-	-10% / +10%	-	-
0820037329	110 V	-	-10% / +10%	-10% / +10%
0820037325	230 V	-	-10% / +10%	-10% / +10%
0820037353	24 V	-	-10% / +10%	-10% / +10%
0820037351	-	-10% / +10%	-	-
0820037352	-	-10% / +10%	-	-
0820037354	110 V	-	-10% / +10%	-10% / +10%
0820037350	230 V	-	-10% / +10%	-10% / +10%

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
0820037304	-	1,6 VA	1,4 VA	2,2 VA
0820037302	2 W	-	-	-
0820037303	1 W	-	-	-
0820037305	-	1,6 VA	1,4 VA	2,2 VA
0820037301	-	1,6 VA	1,4 VA	2,2 VA
0820037328	-	1,6 VA	1,4 VA	2,2 VA
0820037326	2 W	-	-	-

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
0820037327	1 W	-	-	-
0820037329	-	1,6 VA	1,4 VA	2,2 VA
0820037325	-	1,6 VA	1,4 VA	2,2 VA
0820037353	-	1,6 VA	1,4 VA	2,2 VA
0820037351	2 W	-	-	-
0820037352	1 W	-	-	-
0820037354	-	1,6 VA	1,4 VA	2,2 VA
0820037350	-	1,6 VA	1,4 VA	2,2 VA

Part No.	Switch-on power AC 60 Hz	Electrical connection Pilot valve	
0820037304	2 VA	2 Plug ISO 15217, form C	-
0820037302	-	2 Plug ISO 15217, form C	-
0820037303	-	2 Plug ISO 15217, form C	1)
0820037305	2 VA	2 Plug ISO 15217, form C	-
0820037301	2 VA	2 Plug ISO 15217, form C	-
0820037328	2 VA	2 Plug ISO 15217, form C	-
0820037326	-	2 Plug ISO 15217, form C	-
0820037327	-	2 Plug ISO 15217, form C	1)
0820037329	2 VA	2 Plug ISO 15217, form C	-
0820037325	2 VA	2 Plug ISO 15217, form C	-
0820037353	2 VA	2 Plug ISO 15217, form C	-
0820037351	-	2 Plug ISO 15217, form C	-
0820037352	-	2 Plug ISO 15217, form C	1)
0820037354	2 VA	2 Plug ISO 15217, form C	-
0820037350	2 VA	2 Plug ISO 15217, form C	-

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

1) Low power consumption

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.

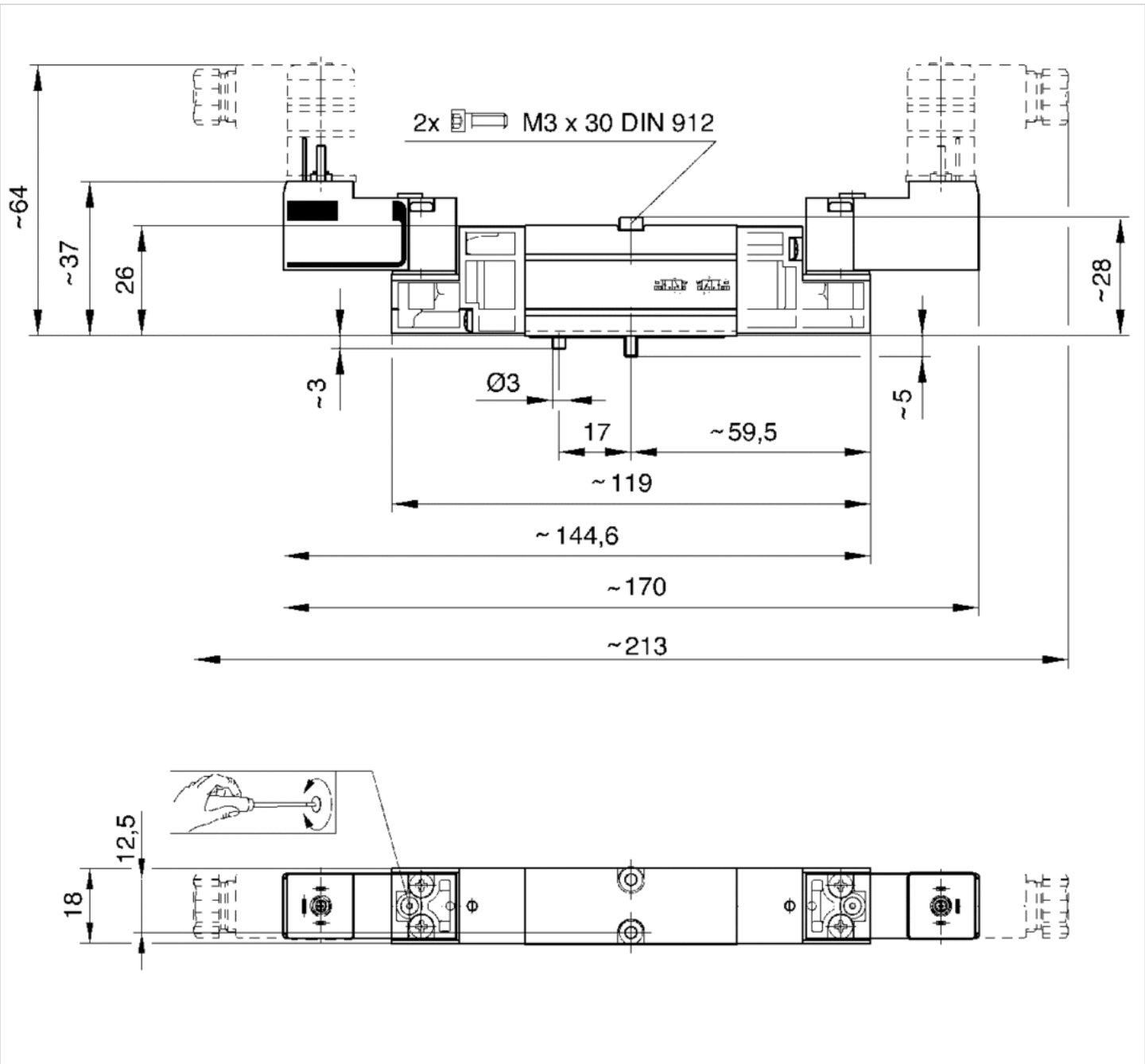
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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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