

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 2, Plug, ISO 15217, form C
- Manual override without 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	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
Nominal flow Qn	450 l/min
Protection class with connection	IP65
Protection class Without valve plug connector	See table below
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M3
Weight	See table below

Technical data

Part No.		MO		Operational voltage DC	Operational voltage AC 50 Hz
0820037204			NC/NC	-	24 V
0820037202			NC/NC	24 V	-
0820037203			NC/NC	24 V	-
0820037205			NC/NC	-	110 V
0820037201			NC/NC	-	230 V
0820037904		—	NC/NC	-	-
0820037228			NO/NO	-	24 V
0820037226			NO/NO	24 V	-
0820037227			NO/NO	24 V	-
0820037229			NO/NO	-	110 V
0820037225			NO/NO	-	230 V
0820037905		—	NO/NO	-	-
0820037253			NO/NC	-	24 V
0820037251			NO/NC	24 V	-
0820037252			NO/NC	24 V	-
0820037254			NO/NC	-	110 V
0820037250			NO/NC	-	230 V
0820037906		—	NO/NC	-	-
0820037907		—	NC/NC	-	-
0820037908		—	NO/NO	-	-
0820037909		—	NO/NC	-	-

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
0820037204	24 V	-	-10% / +10%	-10% / +10%
0820037202	-	-10% / +10%	-	-
0820037203	-	-10% / +10%	-	-
0820037205	110 V	-	-10% / +10%	-10% / +10%
0820037201	230 V	-	-10% / +10%	-10% / +10%
0820037904	-	-	-	-
0820037228	24 V	-	-10% / +10%	-10% / +10%
0820037226	-	-10% / +10%	-	-
0820037227	-	-10% / +10%	-	-
0820037229	110 V	-	-10% / +10%	-10% / +10%
0820037225	230 V	-	-10% / +10%	-10% / +10%
0820037905	-	-	-	-
0820037253	24 V	-	-10% / +10%	-10% / +10%
0820037251	-	-10% / +10%	-	-
0820037252	-	-10% / +10%	-	-
0820037254	110 V	-	-10% / +10%	-10% / +10%
0820037250	230 V	-	-10% / +10%	-10% / +10%
0820037906	-	-	-	-
0820037907	-	-	-	-

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
0820037908	-	-	-	-
0820037909	-	-	-	-

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
0820037204	-	1,6 VA	1,4 VA	2,2 VA
0820037202	2 W	-	-	-
0820037203	1 W	-	-	-
0820037205	-	1,6 VA	1,4 VA	2,2 VA
0820037201	-	1,6 VA	1,4 VA	2,2 VA
0820037904	-	-	-	-
0820037228	-	1,6 VA	1,4 VA	2,2 VA
0820037226	2 W	-	-	-
0820037227	1 W	-	-	-
0820037229	-	1,6 VA	1,4 VA	2,2 VA
0820037225	-	1,6 VA	1,4 VA	2,2 VA
0820037905	-	-	-	-
0820037253	-	1,6 VA	1,4 VA	2,2 VA
0820037251	2 W	-	-	-
0820037252	1 W	-	-	-
0820037254	-	1,6 VA	1,4 VA	2,2 VA
0820037250	-	1,6 VA	1,4 VA	2,2 VA
0820037906	-	-	-	-
0820037907	-	-	-	-
0820037908	-	-	-	-
0820037909	-	-	-	-

Part No.	Switch-on power AC 60 Hz	Pilot	Typ. switch-on time	Typ. switch-off time
0820037204	2 VA	Internal	12 ms	24 ms
0820037202	-	Internal	12 ms	24 ms
0820037203	-	Internal	12 ms	24 ms
0820037205	2 VA	Internal	12 ms	24 ms
0820037201	2 VA	Internal	12 ms	24 ms
0820037904	-	Internal	-	-
0820037228	2 VA	Internal	12 ms	24 ms
0820037226	-	Internal	12 ms	24 ms
0820037227	-	Internal	12 ms	24 ms
0820037229	2 VA	Internal	12 ms	24 ms
0820037225	2 VA	Internal	12 ms	24 ms
0820037905	-	Internal	-	-
0820037253	2 VA	Internal	12 ms	24 ms
0820037251	-	Internal	12 ms	24 ms
0820037252	-	Internal	12 ms	24 ms
0820037254	2 VA	Internal	12 ms	24 ms
0820037250	2 VA	Internal	12 ms	24 ms

Part No.	Switch-on power AC 60 Hz	Pilot	Typ. switch-on time	Typ. switch-off time
0820037906	-	Internal	-	-
0820037907	-	External	-	-
0820037908	-	External	-	-
0820037909	-	External	-	-

Part No.	Electrical connection Pilot valve	basic valve with electrical connector
0820037204	2 Plug ISO 15217, form C	-
0820037202	2 Plug ISO 15217, form C	-
0820037203	2 Plug ISO 15217, form C	-
0820037205	2 Plug ISO 15217, form C	-
0820037201	2 Plug ISO 15217, form C	-
0820037904	2 Plug ISO 15217, form C	Basic valve without pilot valve
0820037228	2 Plug ISO 15217, form C	-
0820037226	2 Plug ISO 15217, form C	-
0820037227	2 Plug ISO 15217, form C	-
0820037229	2 Plug ISO 15217, form C	-
0820037225	2 Plug ISO 15217, form C	-
0820037905	2 Plug ISO 15217, form C	Basic valve without pilot valve
0820037253	2 Plug ISO 15217, form C	-
0820037251	2 Plug ISO 15217, form C	-
0820037252	2 Plug ISO 15217, form C	-
0820037254	2 Plug ISO 15217, form C	-
0820037250	2 Plug ISO 15217, form C	-
0820037906	2 Plug ISO 15217, form C	Basic valve without pilot valve
0820037907	2 Plug ISO 15217, form C	Basic valve without pilot valve
0820037908	2 Plug ISO 15217, form C	Basic valve without pilot valve
0820037909	2 Plug ISO 15217, form C	Basic valve without pilot valve

Part No.	Power consumption	Weight
0820037204	-	0,16 kg
0820037202	-	0,16 kg
0820037203	Low power consumption	0,16 kg
0820037205	-	0,16 kg
0820037201	-	0,16 kg
0820037904	-	0,1 kg
0820037228	-	0,16 kg
0820037226	-	0,16 kg
0820037227	Low power consumption	0,16 kg
0820037229	-	0,16 kg
0820037225	-	0,16 kg
0820037905	-	0,1 kg
0820037253	-	0,16 kg
0820037251	-	0,16 kg
0820037252	Low power consumption	0,16 kg
0820037254	-	0,16 kg

Part No.	Power consumption	Weight
0820037250	-	0,16 kg
0820037906	-	0,1 kg
0820037907	-	0,1 kg
0820037908	-	0,1 kg
0820037909	-	0,1 kg

Nominal flow Qn 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.

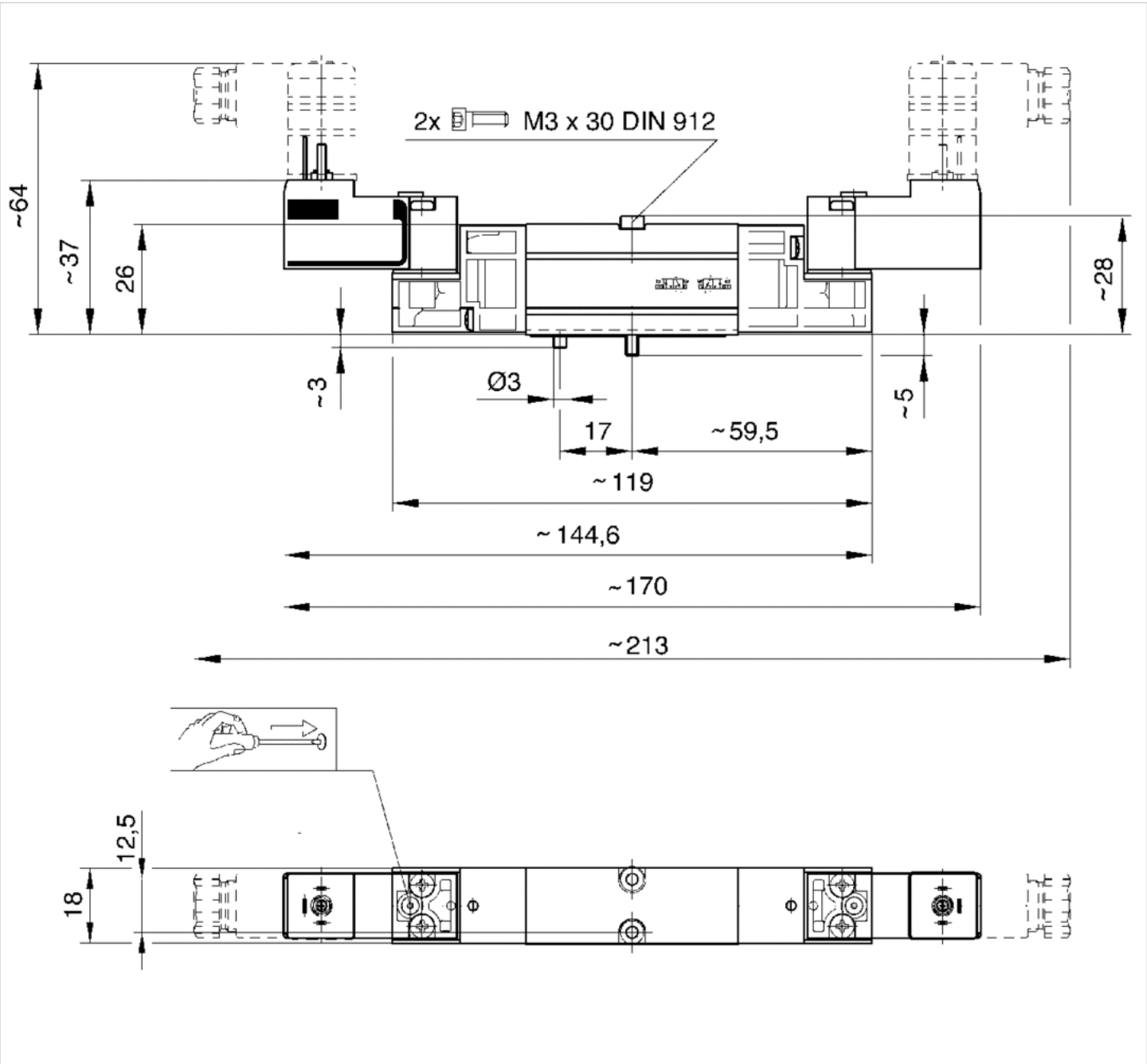
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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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