

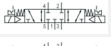
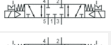
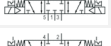
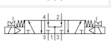
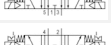
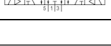
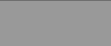
5/3-directional valve, Series CD02-AL

- ISO 15407-1
- 18 mm
- 5/3
- closed center pressurized center exhausted center
- Qn = 250-400 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 Qn	See table below
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M3
Weight	0,17 kg

Technical data

Part No.		MO		Operational voltage DC
0820039318			closed center	-
0820039316			closed center	24 V
0820039317			closed center	24 V
0820039319			closed center	-
0820039315			closed center	-
0820039363			pressurized center	-
0820039361			pressurized center	24 V
0820039362			pressurized center	24 V
0820039364			pressurized center	-
0820039360			pressurized center	-
0820039333			exhausted center	-
0820039331			exhausted center	24 V
0820039332			exhausted center	24 V
0820039334			exhausted center	-
0820039330			exhausted center	-

Part No.	Operational voltage AC 50 Hz	Operational voltage AC 60 Hz	Voltage tolerance DC
0820039318	24 V	24 V	-
0820039316	-	-	-10% / +10%
0820039317	-	-	-10% / +10%
0820039319	110 V	110 V	-
0820039315	230 V	230 V	-
0820039363	24 V	24 V	-
0820039361	-	-	-10% / +10%
0820039362	-	-	-10% / +10%
0820039364	110 V	110 V	-
0820039360	230 V	230 V	-
0820039333	24 V	24 V	-
0820039331	-	-	-10% / +10%
0820039332	-	-	-10% / +10%
0820039334	110 V	110 V	-
0820039330	230 V	230 V	-

Part No.	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz	Power consumption DC	Holding power AC 50 Hz
0820039318	-10% / +10%	-10% / +10%	-	1,6 VA
0820039316	-	-	2 W	-
0820039317	-	-	1 W	-
0820039319	-10% / +10%	-10% / +10%	-	1,6 VA
0820039315	-10% / +10%	-10% / +10%	-	1,6 VA
0820039363	-10% / +10%	-10% / +10%	-	1,6 VA
0820039361	-	-	2 W	-

Part No.	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz	Power consumption DC	Holding power AC 50 Hz
0820039362	-	-	1 W	-
0820039364	-10% / +10%	-10% / +10%	-	1,6 VA
0820039360	-10% / +10%	-10% / +10%	-	1,6 VA
0820039333	-10% / +10%	-10% / +10%	-	1,6 VA
0820039331	-	-	2 W	-
0820039332	-	-	1 W	-
0820039334	-10% / +10%	-10% / +10%	-	1,6 VA
0820039330	-10% / +10%	-10% / +10%	-	1,6 VA

Part No.	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz	Nominal flow Qn
0820039318	1,4 VA	2,2 VA	2 VA	400 l/min
0820039316	-	-	-	400 l/min
0820039317	-	-	-	400 l/min
0820039319	1,4 VA	2,2 VA	2 VA	400 l/min
0820039315	1,4 VA	2,2 VA	2 VA	400 l/min
0820039363	1,4 VA	2,2 VA	2 VA	250 l/min
0820039361	-	-	-	250 l/min
0820039362	-	-	-	250 l/min
0820039364	1,4 VA	2,2 VA	2 VA	250 l/min
0820039360	1,4 VA	2,2 VA	2 VA	250 l/min
0820039333	1,4 VA	2,2 VA	2 VA	250 l/min
0820039331	-	-	-	250 l/min
0820039332	-	-	-	250 l/min
0820039334	1,4 VA	2,2 VA	2 VA	250 l/min
0820039330	1,4 VA	2,2 VA	2 VA	250 l/min

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve	
0820039318	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039316	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039317	11 ms	23 ms	2 Plug ISO 15217, form C	1)
0820039319	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039315	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039363	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039361	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039362	11 ms	23 ms	2 Plug ISO 15217, form C	1)
0820039364	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039360	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039333	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039331	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039332	11 ms	23 ms	2 Plug ISO 15217, form C	1)
0820039334	9 ms	20 ms	2 Plug ISO 15217, form C	-
0820039330	9 ms	20 ms	2 Plug ISO 15217, form C	-

Nominal flow Qn 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.

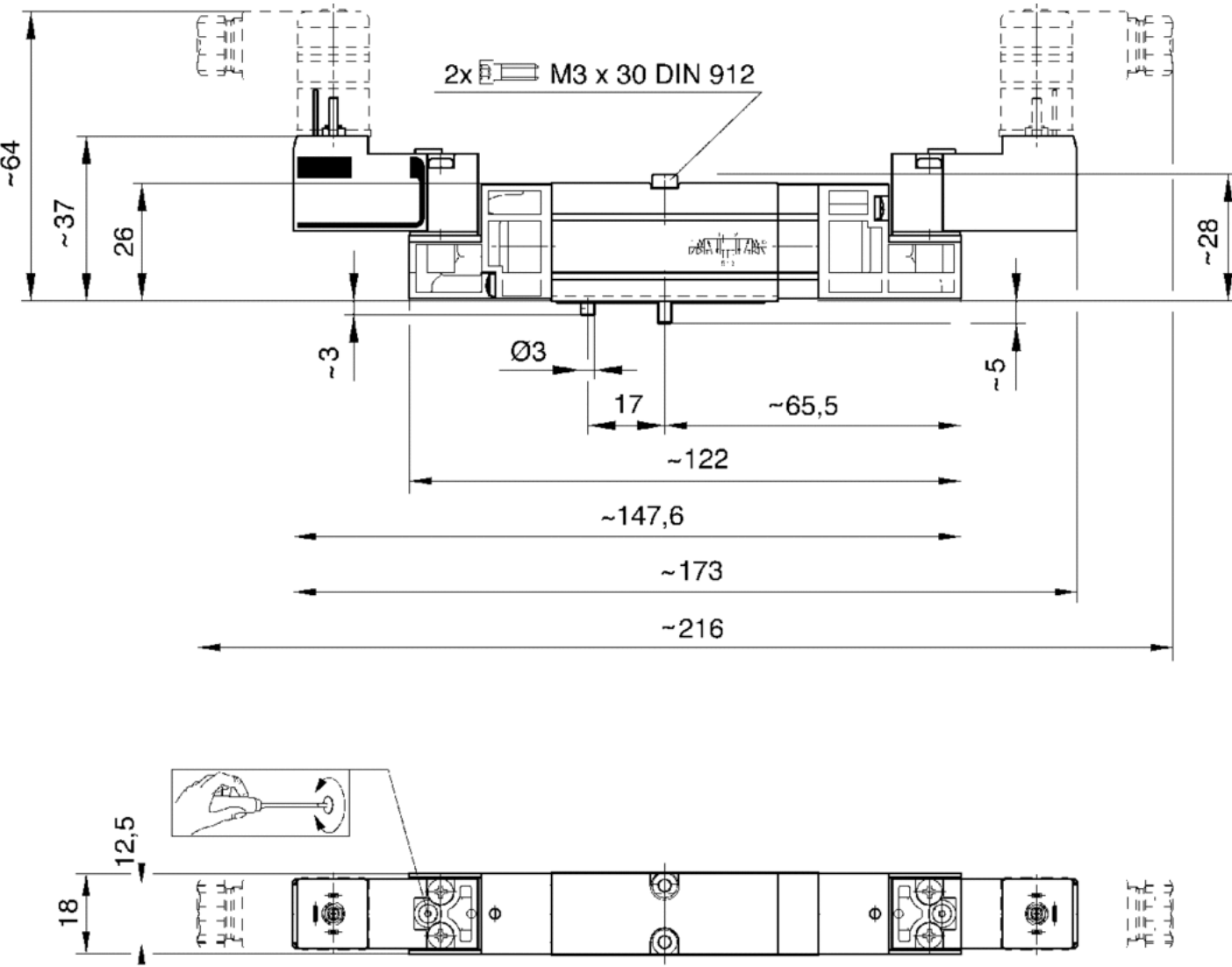
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

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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