5/2-directional valve, Series CD01-PA

- ISO 15407-1
- 26 mm
- 5/2
- With air spring return With spring/air spring return
- single solenoid
- Qn = 1010 l/min
- Compressed air connection output base plate DIN ISO 15407-1
- Electrical connection Plug, EN 175301-803, form C
- Manual override with detent without detent

Type	Spool valve, positive overlapping
Sealing principle	Soft sealing
Connection type	Plate connection
Standards	ISO 15407-1, 26 mm
Connector standard	EN 175301-803, form C
Certificates	Free of substances that impair surface wetting in the coating process
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1010 l/min
Compressed air connection	according to ISO 15407-1
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M4 with hexagon socket
Mounting screw tightening torque	2,5 Nm
Weight	0,21 kg

Technical data

Part No.		MO	Operational voltage DC	Operational voltage AC 50 Hz
5763510210			12 V	-
5763510220			24 V	-
5763510620			24 V	-
5763510920			24 V	-
5763515220			-	24 V
5763515270			-	110 V
5763515670			-	110 V
5763515280			-	230 V
5763600220			24 V	-
5763600620			24 V	-
5763605220			-	24 V
5763605270			-	110 V
5763605670			-	110 V
5763605280			-	230 V

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
5763510210	-	-10% / +10%	-	-
5763510220	-	-10% / +10%	-	-
5763510620	-	-10% / +10%	-	-
5763510920	-	-10% / +10%	-	-
5763515220	24 V	-	-10% / +15%	-10% / +15%
5763515270	110 V	-	-10% / +15%	-10% / +15%
5763515670	110 V	-	-10% / +15%	-10% / +15%
5763515280	230 V	-	-10% / +15%	-10% / +15%
5763600220	-	-10% / +10%	-	-
5763600620	-	-10% / +10%	-	-
5763605220	24 V	-	-10% / +15%	-10% / +15%
5763605270	110 V	-	-10% / +15%	-10% / +15%
5763605670	110 V	-	-10% / +15%	-10% / +15%
5763605280	230 V	-	-10% / +15%	-10% / +15%

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
5763510210	1,6 W	-	-	-
5763510220	1,6 W	-	-	-
5763510620	1,6 W	-	-	-
5763510920	2,06 W	-	-	-
5763515220	-	2,2 VA	1,85 VA	3 VA
5763515270	-	3 VA	2,4 VA	4,2 VA
5763515670	-	3 VA	2,4 VA	4,2 VA
5763515280	-	2,3 VA	2 VA	3,2 VA
5763600220	1,6 W	-	-	-

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
5763600620	1,6 W	-	-	-
5763605220	-	2,2 VA	1,85 VA	3 VA
5763605270	-	3 VA	2,4 VA	4,2 VA
5763605670	-	3 VA	2,4 VA	4,2 VA
5763605280	-	2,3 VA	2 VA	3,2 VA

Part No.	Switch-on power AC 60 Hz	Pilot	Nominal flow 1 ▸ 2	Nominal flow 2 ▸ 3
5763510210	-	Internal	1010 l/min	1010 l/min
5763510220	-	Internal	1010 l/min	1010 l/min
5763510620	-	Internal	1010 l/min	1010 l/min
5763510920	-	Internal	1010 l/min	1010 l/min
5763515220	2,6 VA	Internal	1010 l/min	1010 l/min
5763515270	3,4 VA	Internal	1010 l/min	1010 l/min
5763515670	3,4 VA	Internal	1010 l/min	1010 l/min
5763515280	2,8 VA	Internal	1010 l/min	1010 l/min
5763600220	-	External	1010 l/min	1010 l/min
5763600620	-	External	1010 l/min	1010 l/min
5763605220	2,6 VA	External	1010 l/min	1010 l/min
5763605270	3,4 VA	External	1010 l/min	1010 l/min
5763605670	3,4 VA	External	1010 l/min	1010 l/min
5763605280	2,8 VA	External	1010 l/min	1010 l/min

Part No.	Working pressure min./max.	Control pressure min./max.
5763510210	3 ... 10 bar	3 ... 10 bar
5763510220	3 ... 10 bar	3 ... 10 bar
5763510620	3 ... 10 bar	3 ... 10 bar
5763510920	2 ... 16 bar	2 ... 16 bar
5763515220	3 ... 10 bar	3 ... 10 bar
5763515270	3 ... 10 bar	3 ... 10 bar
5763515670	3 ... 10 bar	3 ... 10 bar
5763515280	3 ... 10 bar	3 ... 10 bar
5763600220	0 ... 16 bar	3 ... 10 bar
5763600620	0 ... 16 bar	3 ... 10 bar
5763605220	0 ... 16 bar	3 ... 10 bar
5763605270	0 ... 16 bar	3 ... 10 bar
5763605670	0 ... 16 bar	3 ... 10 bar
5763605280	0 ... 16 bar	3 ... 10 bar

Part No.	Ambient temperature min./max.	Medium temperature min./max.
5763510210	-15 ... 50 °C	-15 ... 50 °C
5763510220	-15 ... 50 °C	-15 ... 50 °C
5763510620	-15 ... 50 °C	-15 ... 50 °C
5763510920	0 ... 50 °C	0 ... 50 °C
5763515220	-15 ... 50 °C	-15 ... 50 °C

Part No.	Ambient temperature min./max.	Medium temperature min./max.
5763515270	-15 ... 50 °C	-15 ... 50 °C
5763515670	-15 ... 50 °C	-15 ... 50 °C
5763515280	-15 ... 50 °C	-15 ... 50 °C
5763600220	-15 ... 50 °C	-15 ... 50 °C
5763600620	-15 ... 50 °C	-15 ... 50 °C
5763605220	-15 ... 50 °C	-15 ... 50 °C
5763605270	-15 ... 50 °C	-15 ... 50 °C
5763605670	-15 ... 50 °C	-15 ... 50 °C
5763605280	-15 ... 50 °C	-15 ... 50 °C

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve
5763510210	29 ms	42 ms	Plug EN 175301-803, form C
5763510220	29 ms	42 ms	Plug EN 175301-803, form C
5763510620	29 ms	42 ms	Plug EN 175301-803, form C
5763510920	29 ms	42 ms	Plug EN 175301-803, form C
5763515220	29 ms	42 ms	Plug EN 175301-803, form C
5763515270	29 ms	42 ms	Plug EN 175301-803, form C
5763515670	29 ms	42 ms	Plug EN 175301-803, form C
5763515280	29 ms	42 ms	Plug EN 175301-803, form C
5763600220	34 ms	35 ms	Plug EN 175301-803, form C
5763600620	34 ms	35 ms	Plug EN 175301-803, form C
5763605220	34 ms	35 ms	Plug EN 175301-803, form C
5763605270	34 ms	35 ms	Plug EN 175301-803, form C
5763605670	34 ms	35 ms	Plug EN 175301-803, form C
5763605280	34 ms	35 ms	Plug EN 175301-803, form C

Part No.	Power consumption	
5763510210	-	-
5763510220	-	-
5763510620	-	-
5763510920	Low power consumption	-
5763515220	-	-
5763515270	-	-
5763515670	-	-
5763515280	-	-
5763600220	-	1)
5763600620	-	1)
5763605220	-	1)
5763605270	-	1)
5763605670	-	1)
5763605280	-	1)

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

1) Control pressure: see diagram for min., max. 10 bar

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).

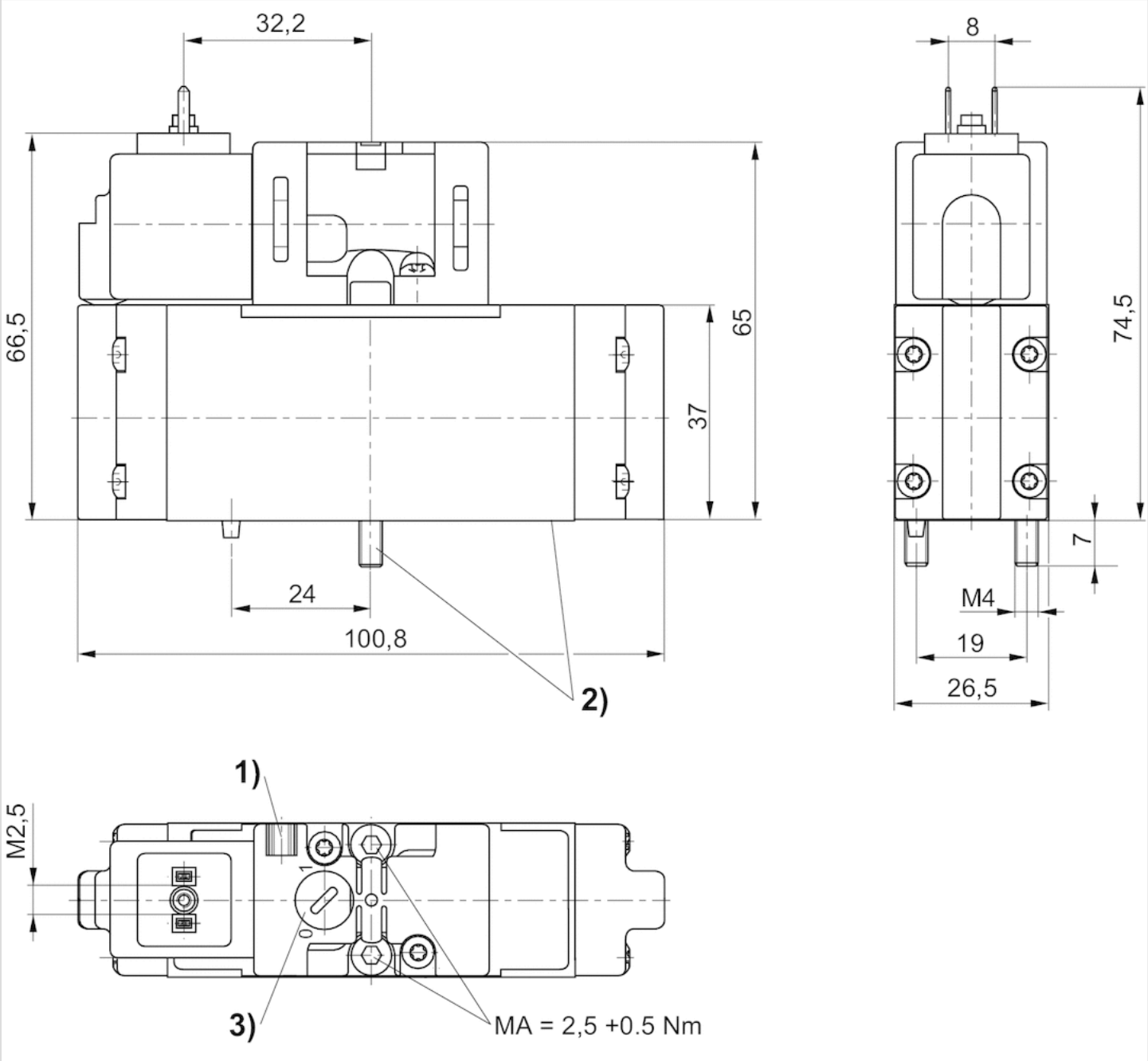
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Housing	Polyamide Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

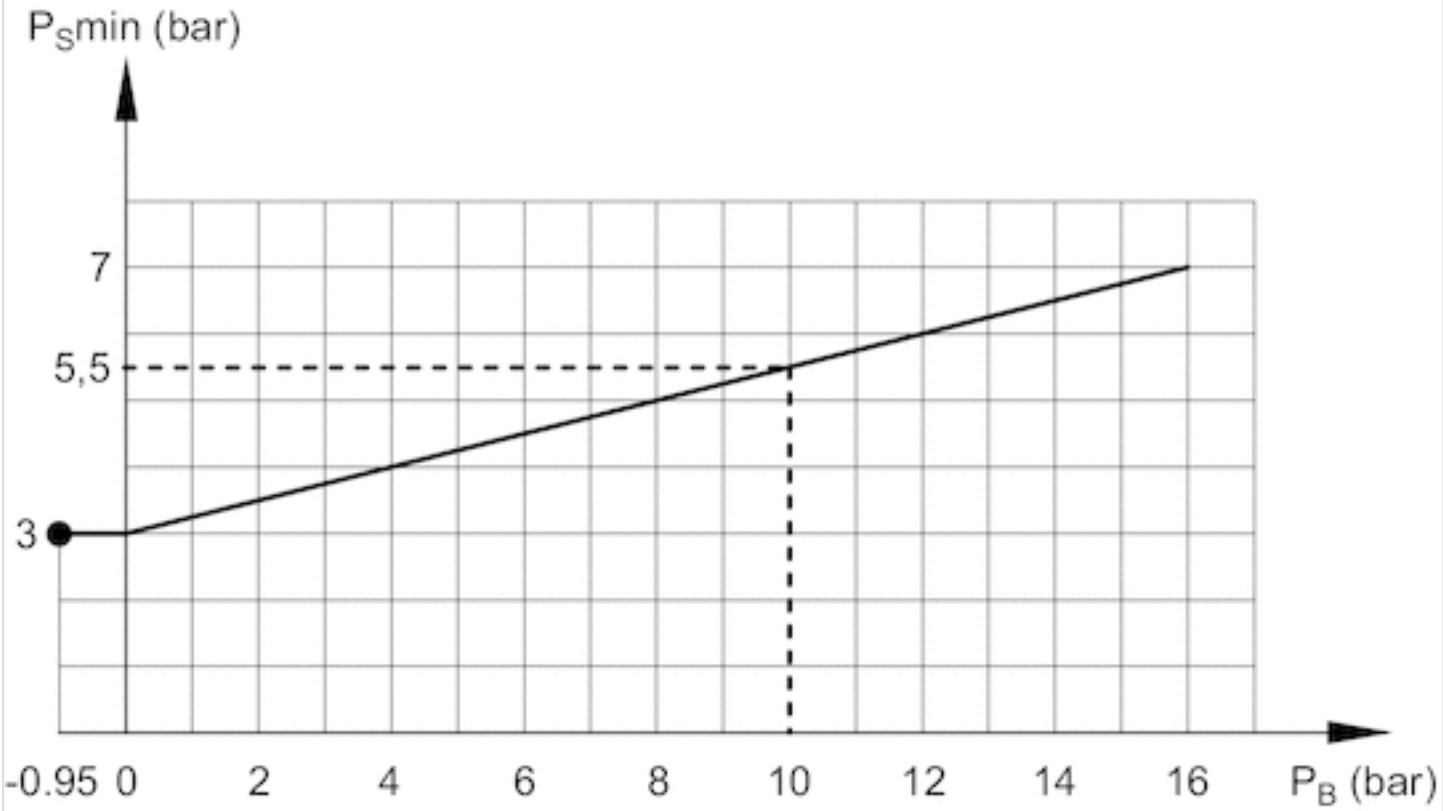
Dimensions



1) mounting space for name plate 2) screws and seals captive 3) manual override

Diagrams

Minimum control pressure for externally piloted valves (depending on the working pressure)



PB= Working pressure
PS = control pressure

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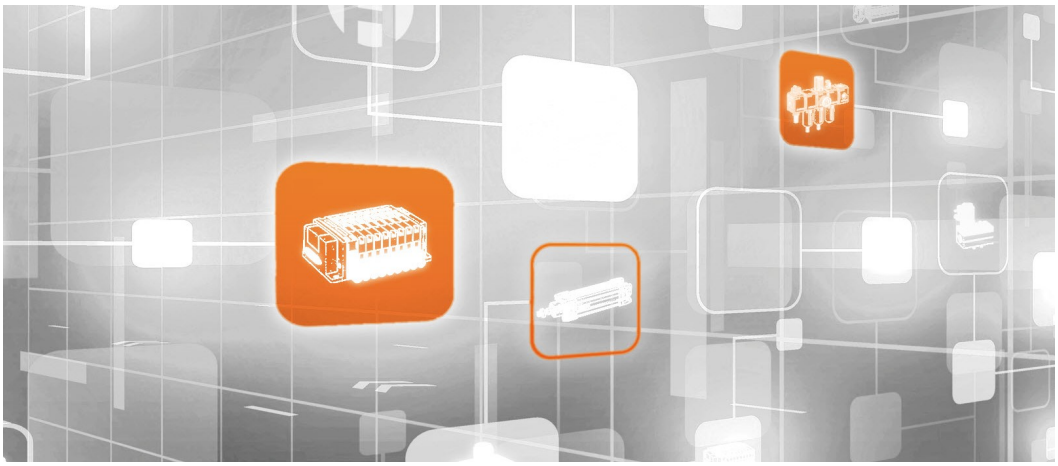

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