

2x3/2-directional valve, Series CD01-PA

- ISO 15407-1
- 26 mm
- 2x3/2
- NC/NC NO/NO NC/NO
- 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.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	See table below
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	0,25 kg

Technical data

Part No.		MO		Operational voltage DC	Operational voltage AC 50 Hz
5763990220			NC/NC	24 V	-
5763990620			NC/NC	24 V	-
5763995220			NC/NC	-	24 V
5763995270			NC/NC	-	110 V
5763995670			NC/NC	-	110 V
5763995280			NC/NC	-	230 V
5763970220			NO/NO	24 V	-
5763970620			NO/NO	24 V	-
5763975220			NO/NO	-	24 V
5763975270			NO/NO	-	110 V
5763975670			NO/NO	-	110 V
5763960220			NO/NO	24 V	-
5763960620			NO/NO	24 V	-
5763965270			NO/NO	-	110 V
5763965670			NO/NO	-	110 V
5763950220			NC/NO	24 V	-
5763950620			NC/NO	24 V	-
5763955270			NC/NO	-	110 V
5763955670			NC/NO	-	110 V

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
5763990220	-	-10% / +10%	-	-
5763990620	-	-10% / +10%	-	-
5763995220	24 V	-	-10% / +15%	-10% / +15%
5763995270	110 V	-	-10% / +15%	-10% / +15%
5763995670	110 V	-	-10% / +15%	-10% / +15%
5763995280	230 V	-	-10% / +15%	-10% / +15%
5763970220	-	-10% / +10%	-	-
5763970620	-	-10% / +10%	-	-
5763975220	24 V	-	-10% / +15%	-10% / +15%
5763975270	110 V	-	-10% / +15%	-10% / +15%
5763975670	110 V	-	-10% / +15%	-10% / +15%
5763960220	-	-10% / +10%	-	-
5763960620	-	-10% / +10%	-	-
5763965270	110 V	-	-10% / +15%	-10% / +15%
5763965670	110 V	-	-10% / +15%	-10% / +15%
5763950220	-	-10% / +10%	-	-
5763950620	-	-10% / +10%	-	-
5763955270	110 V	-	-10% / +15%	-10% / +15%
5763955670	110 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
5763990220	1,6 W	-	-	-
5763990620	1,6 W	-	-	-
5763995220	-	2,2 VA	1,85 VA	3 VA
5763995270	-	3 VA	2,4 VA	4,2 VA
5763995670	-	3 VA	2,4 VA	4,2 VA
5763995280	-	2,3 VA	2 VA	3,2 VA
5763970220	1,6 W	-	-	-
5763970620	1,6 W	-	-	-
5763975220	-	2,2 VA	1,85 VA	3 VA
5763975270	-	3 VA	2,4 VA	4,2 VA
5763975670	-	3 VA	2,4 VA	4,2 VA
5763960220	1,6 W	-	-	-
5763960620	1,6 W	-	-	-
5763965270	-	3 VA	2,4 VA	4,2 VA
5763965670	-	3 VA	2,4 VA	4,2 VA
5763950220	1,6 W	-	-	-
5763950620	1,6 W	-	-	-
5763955270	-	3 VA	2,4 VA	4,2 VA
5763955670	-	3 VA	2,4 VA	4,2 VA

Part No.	Switch-on power AC 60 Hz	Pilot	Nominal flow Q _n	Nominal flow 1 ► 2
5763990220	-	Internal	1010 l/min	1010 l/min
5763990620	-	Internal	1010 l/min	1010 l/min
5763995220	2,6 VA	Internal	1010 l/min	1010 l/min
5763995270	3,4 VA	Internal	1010 l/min	1010 l/min
5763995670	3,4 VA	Internal	1010 l/min	1010 l/min
5763995280	2,8 VA	Internal	1010 l/min	1010 l/min
5763970220	-	Internal	-	800 l/min
5763970620	-	Internal	-	800 l/min
5763975220	2,6 VA	Internal	-	800 l/min
5763975270	3,4 VA	Internal	-	800 l/min
5763975670	3,4 VA	Internal	-	800 l/min
5763960220	-	External	-	800 l/min
5763960620	-	External	-	800 l/min
5763965270	3,4 VA	External	-	800 l/min
5763965670	3,4 VA	External	-	800 l/min
5763950220	-	Internal	1010 l/min	1010 l/min
5763950620	-	Internal	1010 l/min	1010 l/min
5763955270	3,4 VA	Internal	1010 l/min	1010 l/min
5763955670	3,4 VA	Internal	1010 l/min	1010 l/min

Part No.	Nominal flow 2 ► 3	Working pressure min./max.	Control pressure min./max.
5763990220	1010 l/min	-	2,5 ... 10 bar
5763990620	1010 l/min	-	2,5 ... 10 bar
5763995220	1010 l/min	-	2,5 ... 10 bar

Part No.	Nominal flow 2 ► 3	Working pressure min./max.	Control pressure min./max.
5763995270	1010 l/min	-	2,5 ... 10 bar
5763995670	1010 l/min	-	2,5 ... 10 bar
5763995280	1010 l/min	-	2,5 ... 10 bar
5763970220	700 l/min	3 bar	3 ... 10 bar
5763970620	700 l/min	3 bar	3 ... 10 bar
5763975220	700 l/min	3 bar	3 ... 10 bar
5763975270	700 l/min	3 bar	3 ... 10 bar
5763975670	700 l/min	3 bar	3 ... 10 bar
5763960220	700 l/min	0 ... 16 bar	10 bar
5763960620	700 l/min	0 ... 16 bar	10 bar
5763965270	700 l/min	0 ... 16 bar	10 bar
5763965670	700 l/min	0 ... 16 bar	10 bar
5763950220	1010 l/min	-	2,5 ... 10 bar
5763950620	1010 l/min	-	2,5 ... 10 bar
5763955270	1010 l/min	-	2,5 ... 10 bar
5763955670	1010 l/min	-	2,5 ... 10 bar

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve
5763990220	27 ms	46 ms	Plug EN 175301-803, form C
5763990620	27 ms	46 ms	Plug EN 175301-803, form C
5763995220	27 ms	46 ms	Plug EN 175301-803, form C
5763995270	27 ms	46 ms	Plug EN 175301-803, form C
5763995670	27 ms	46 ms	Plug EN 175301-803, form C
5763995280	27 ms	46 ms	Plug EN 175301-803, form C
5763970220	26 ms	34 ms	Plug EN 175301-803, form C
5763970620	26 ms	34 ms	Plug EN 175301-803, form C
5763975220	26 ms	34 ms	Plug EN 175301-803, form C
5763975270	26 ms	34 ms	Plug EN 175301-803, form C
5763975670	26 ms	34 ms	Plug EN 175301-803, form C
5763960220	26 ms	34 ms	Plug EN 175301-803, form C
5763960620	26 ms	34 ms	Plug EN 175301-803, form C
5763965270	26 ms	34 ms	Plug EN 175301-803, form C
5763965670	26 ms	34 ms	Plug EN 175301-803, form C
5763950220	27 ms	46 ms	Plug EN 175301-803, form C
5763950620	27 ms	46 ms	Plug EN 175301-803, form C
5763955270	27 ms	46 ms	Plug EN 175301-803, form C
5763955670	27 ms	46 ms	Plug EN 175301-803, form C

Part No.	
5763990220	-
5763990620	-
5763995220	-
5763995270	-
5763995670	-
5763995280	-

Part No.	
5763970220	-
5763970620	-
5763975220	-
5763975270	-
5763975670	-
5763960220	1)
5763960620	1)
5763965270	1)
5763965670	1)
5763950220	-
5763950620	-
5763955270	-
5763955670	-

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

1) External control pressure: see diagram

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).

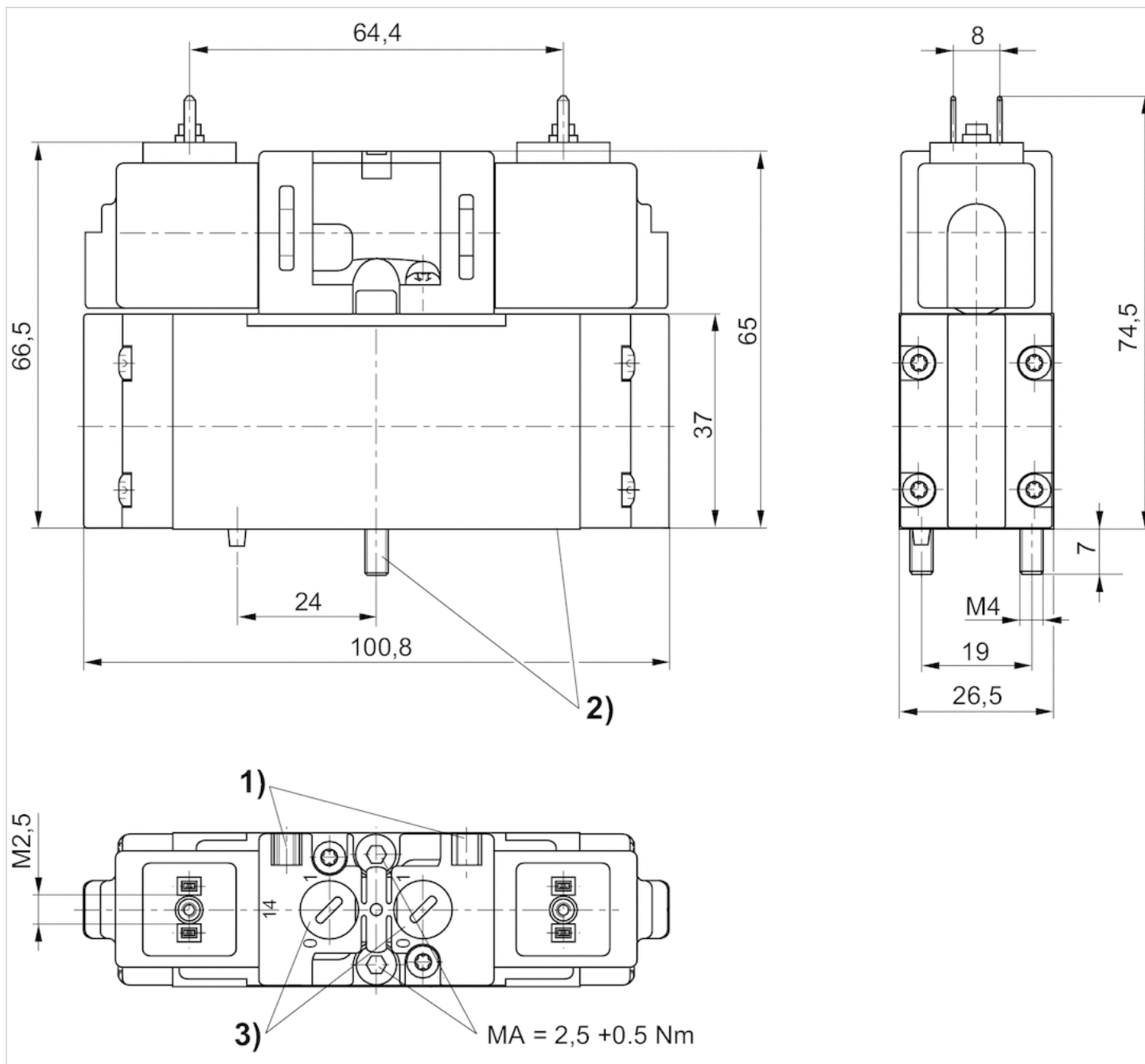
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Housing	Polyamide Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

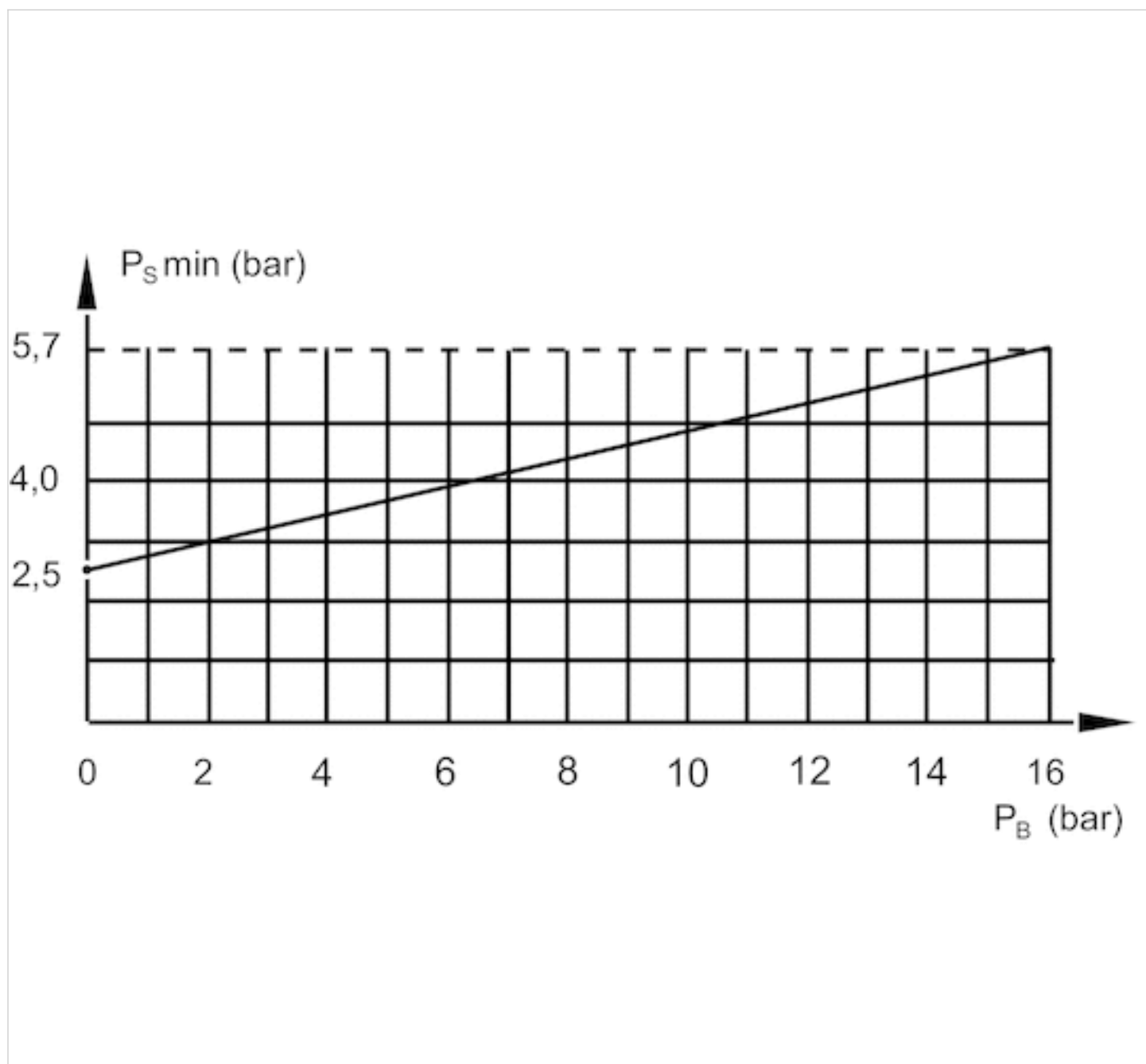
Dimensions



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)



P_B = Working pressure

P_S = control pressure

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