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

- ISO 15407-1
- 26 mm
- 2x3/2
- ISO 15407-1, 26 mm
- NC/NC NO/NO NC/NO
- Qn = 1010 l/min
- Compressed air connection output base plate DIN ISO 15407-1
- Electrical connection Plug, M12x1, 4-pin
- Manual override without detent with detent

Type	Spool valve, positive overlapping
Sealing principle	Soft sealing
Connection type	Plate connection
Standards	ISO 15407-1, 26 mm
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
Protective circuit	43 V bi-directional
LED status display	Yellow
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	0,28 kg

Technical data

Part No.		MO		Operational voltage DC	Voltage tolerance DC
5763990720			NC/NC	24 V	-10% / +10%
5763990520			NC/NC	24 V	-10% / +10%
5763960720			NO/NO	24 V	-10% / +10%
5763960520			NO/NO	24 V	-10% / +10%
5763970720			NO/NO	24 V	-10% / +10%
5763970520			NO/NO	24 V	-10% / +10%
5763950720			NC/NO	24 V	-10% / +10%
5763950520			NC/NO	24 V	-10% / +10%

Part No.	Power consumption DC	Pilot	Nominal flow Qn	Nominal flow 1 ▸ 2
5763990720	1,6 W	Internal	1010 l/min	1010 l/min
5763990520	1,6 W	Internal	1010 l/min	1010 l/min
5763960720	1,6 W	External	-	800 l/min
5763960520	1,6 W	External	-	800 l/min
5763970720	1,6 W	Internal	-	800 l/min
5763970520	1,6 W	Internal	-	800 l/min
5763950720	1,6 W	Internal	1010 l/min	1010 l/min
5763950520	1,6 W	Internal	1010 l/min	1010 l/min

Part No.	Nominal flow 2 ▸ 3	Working pressure min./max.	Control pressure min./max.
5763990720	1010 l/min	2,5 ... 10 bar	2,5 ... 10 bar
5763990520	1010 l/min	2,5 ... 10 bar	2,5 ... 10 bar
5763960720	700 l/min	0 ... 16 bar	10 bar
5763960520	700 l/min	0 ... 16 bar	10 bar
5763970720	700 l/min	3 ... 10 bar	3 ... 10 bar
5763970520	700 l/min	3 ... 10 bar	3 ... 10 bar
5763950720	1010 l/min	2,5 ... 10 bar	2,5 ... 10 bar
5763950520	1010 l/min	2,5 ... 10 bar	2,5 ... 10 bar

Part No.	Typ. switch-on time	Typ. switch-off time	Electrical connection Pilot valve	
5763990720	27 ms	46 ms	Plug M12x1 4-pin	-
5763990520	27 ms	46 ms	Plug M12x1 4-pin	-
5763960720	26 ms	34 ms	Plug M12x1 4-pin	1)
5763960520	26 ms	34 ms	Plug M12x1 4-pin	1)
5763970720	26 ms	34 ms	Plug M12x1 4-pin	-
5763970520	26 ms	34 ms	Plug M12x1 4-pin	-
5763950720	27 ms	46 ms	Plug M12x1 4-pin	-
5763950520	27 ms	46 ms	Plug M12x1 4-pin	-

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

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

Technical information

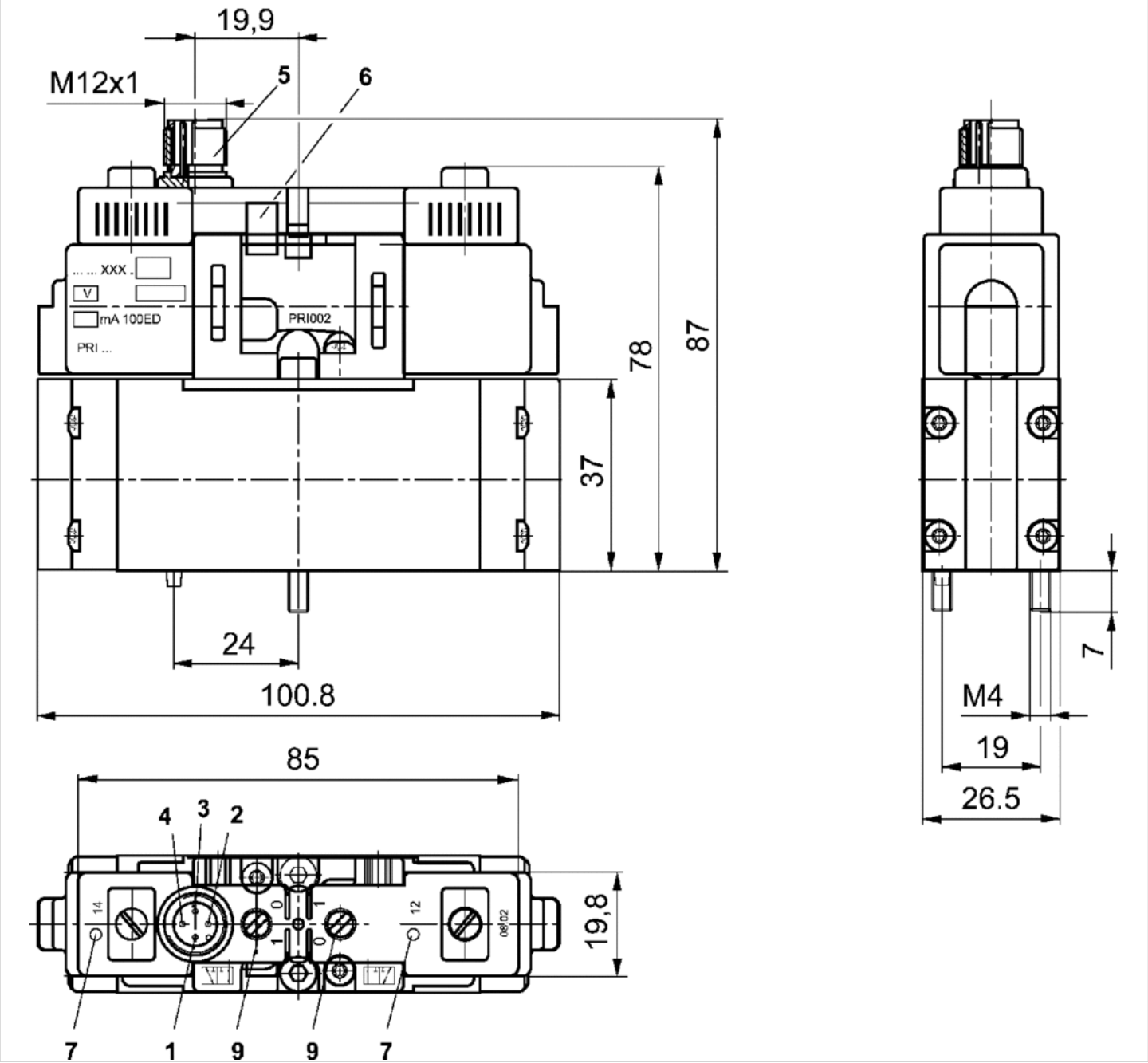
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Housing	Polyamide Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

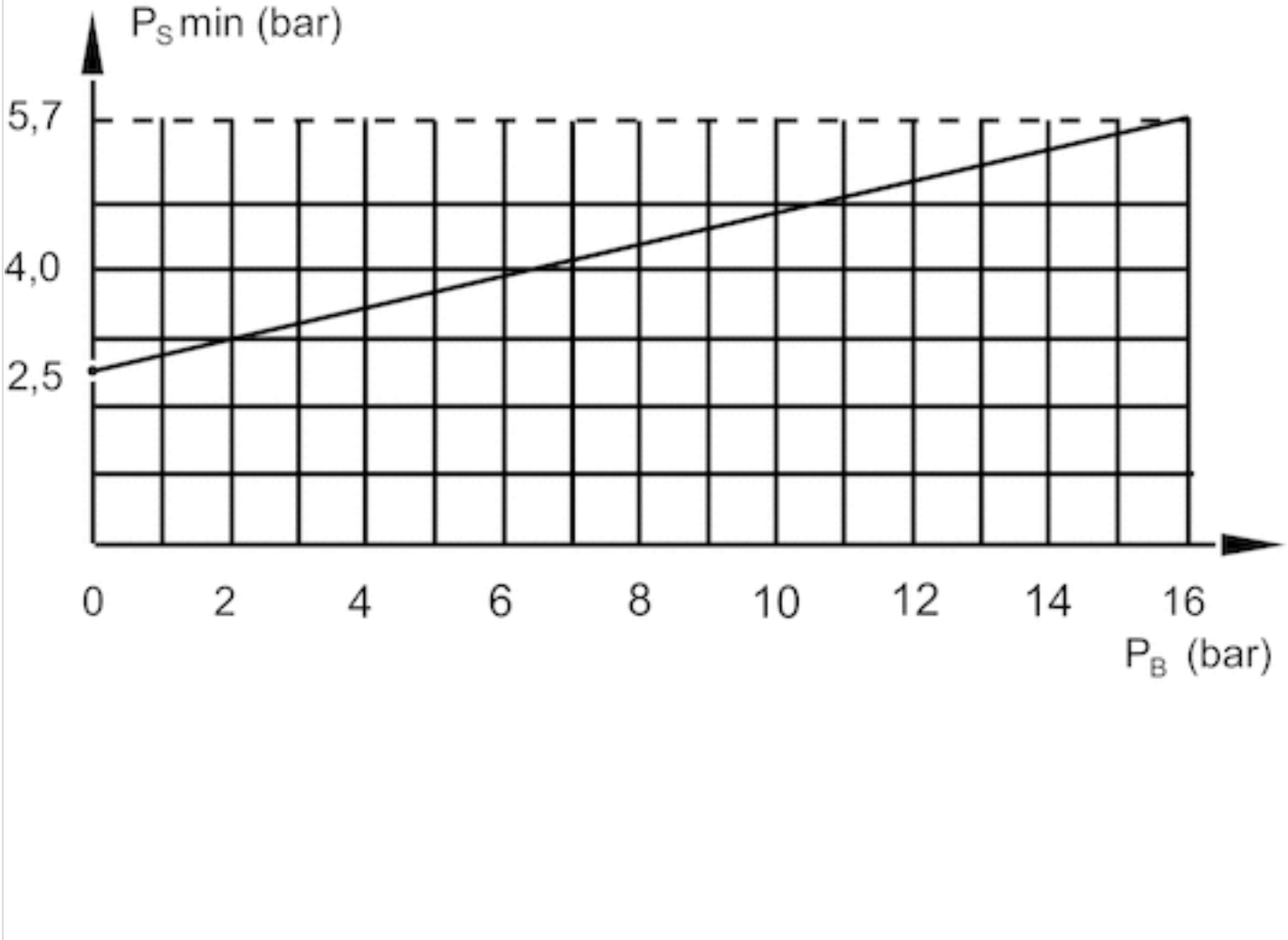
Dimensions



1) not assigned 2) magnet 12 3) 0 V 4) magnet 14 5) metal round plug M12x1 6) positioning pin 7) yellow valve switching state LED 9) 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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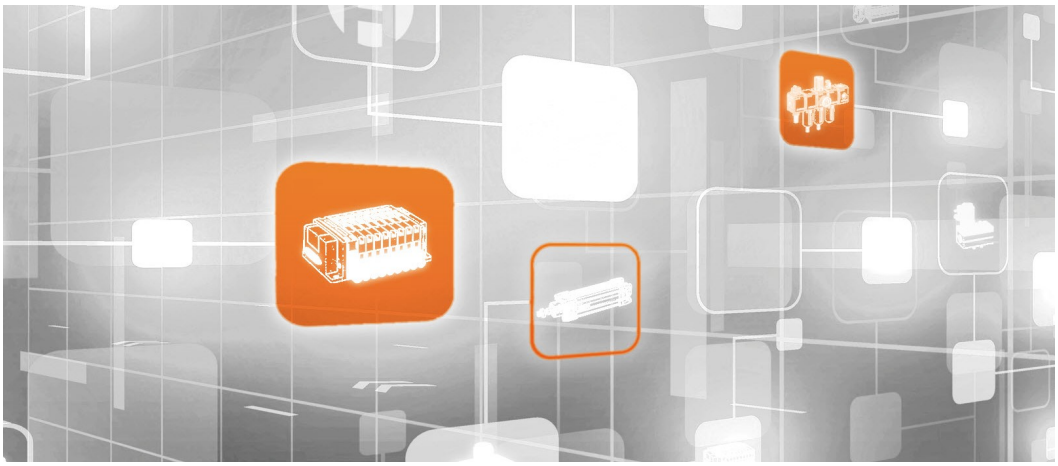

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