

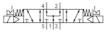
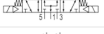
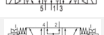
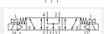
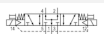
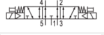
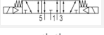
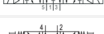
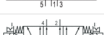
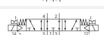
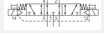
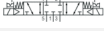
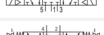
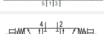
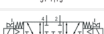
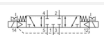
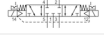
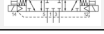
5/3-directional valve, Series CD01-PA

- ISO 15407-1
- 26 mm
- 5/3
- pressurized center exhausted center closed center
- $Q_n = 0.66 \text{ Cv}$
- 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.	5 ... 122 °F
Medium temperature min./max.	5 ... 122 °F
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q_n	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	1.84 ft./lbs.
Weight	0.595 lbs

Technical data

Part No.		MO		Operational voltage DC
5763800220			pressurized center	24 V
5763800620			pressurized center	24 V
5763800920		-	pressurized center	24 V
5763805270			pressurized center	-
5763805670			pressurized center	-
5763850220			pressurized center	24 V
5763850620			pressurized center	24 V
5763855270			pressurized center	-
5763855670			pressurized center	-
5763810220			exhausted center	24 V
5763810620			exhausted center	24 V
5763810920		-	exhausted center	24 V
5763815220			exhausted center	-
5763815270			exhausted center	-
5763815670			exhausted center	-
5763815280			exhausted center	-
5763860220			exhausted center	24 V
5763860620			exhausted center	24 V
5763865270			exhausted center	-
5763865670			exhausted center	-
5763820210			closed center	12 V
5763820220			closed center	24 V
5763820620			closed center	24 V
5763825270			closed center	-
5763825670			closed center	-
5763825280			closed center	-
5763870220			closed center	24 V
5763870620			closed center	24 V
5763875270			closed center	-
5763875670			closed center	-

Part No.	Operational voltage AC 50 Hz	Operational voltage AC 60 Hz	Voltage tolerance DC
5763800220	-	-	-10% / +10%
5763800620	-	-	-10% / +10%
5763800920	-	-	-10% / +10%
5763805270	110 V	110 V	-
5763805670	110 V	110 V	-
5763850220	-	-	-10% / +10%
5763850620	-	-	-10% / +10%
5763855270	110 V	110 V	-
5763855670	110 V	110 V	-
5763810220	-	-	-10% / +10%
5763810620	-	-	-10% / +10%
5763810920	-	-	-10% / +10%

Part No.	Operational voltage AC 50 Hz	Operational voltage AC 60 Hz	Voltage tolerance DC
5763815220	24 V	24 V	-
5763815270	110 V	110 V	-
5763815670	110 V	110 V	-
5763815280	230 V	230 V	-
5763860220	-	-	-10% / +10%
5763860620	-	-	-10% / +10%
5763865270	110 V	110 V	-
5763865670	110 V	110 V	-
5763820210	-	-	-10% / +10%
5763820220	-	-	-10% / +10%
5763820620	-	-	-10% / +10%
5763825270	110 V	110 V	-
5763825670	110 V	110 V	-
5763825280	230 V	230 V	-
5763870220	-	-	-10% / +10%
5763870620	-	-	-10% / +10%
5763875270	110 V	110 V	-
5763875670	110 V	110 V	-

Part No.	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz	Power consumption DC	Holding power AC 50 Hz
5763800220	-	-	1.6 W	-
5763800620	-	-	1.6 W	-
5763800920	-	-	2.06 W	-
5763805270	-10% / +15%	-10% / +15%	-	3 VA
5763805670	-10% / +15%	-10% / +15%	-	3 VA
5763850220	-	-	1.6 W	-
5763850620	-	-	1.6 W	-
5763855270	-10% / +15%	-10% / +15%	-	3 VA
5763855670	-10% / +15%	-10% / +15%	-	3 VA
5763810220	-	-	1.6 W	-
5763810620	-	-	1.6 W	-
5763810920	-	-	2.06 W	-
5763815220	-10% / +15%	-10% / +15%	-	2.2 VA
5763815270	-10% / +15%	-10% / +15%	-	3 VA
5763815670	-10% / +15%	-10% / +15%	-	3 VA
5763815280	-10% / +15%	-10% / +15%	-	2.3 VA
5763860220	-	-	1.6 W	-
5763860620	-	-	1.6 W	-
5763865270	-10% / +15%	-10% / +15%	-	3 VA
5763865670	-10% / +15%	-10% / +15%	-	3 VA
5763820210	-	-	1.6 W	-
5763820220	-	-	1.6 W	-
5763820620	-	-	1.6 W	-
5763825270	-10% / +15%	-10% / +15%	-	3 VA
5763825670	-10% / +15%	-10% / +15%	-	3 VA
5763825280	-10% / +15%	-10% / +15%	-	2.3 VA

Part No.	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz	Power consumption DC	Holding power AC 50 Hz
5763870220	-	-	1.6 W	-
5763870620	-	-	1.6 W	-
5763875270	-10% / +15%	-10% / +15%	-	3 VA
5763875670	-10% / +15%	-10% / +15%	-	3 VA

Part No.	Holding power AC 60 Hz	Switch-on power AC 50 Hz	Switch-on power AC 60 Hz	Pilot	Nominal flow Qn
5763800220	-	-	-	Internal	-
5763800620	-	-	-	Internal	-
5763800920	-	-	-	Internal	-
5763805270	2.4 VA	4.2 VA	3.4 VA	Internal	-
5763805670	2.4 VA	4.2 VA	3.4 VA	Internal	-
5763850220	-	-	-	External	-
5763850620	-	-	-	External	-
5763855270	2.4 VA	4.2 VA	3.4 VA	External	-
5763855670	2.4 VA	4.2 VA	3.4 VA	External	-
5763810220	-	-	-	Internal	-
5763810620	-	-	-	Internal	-
5763810920	-	-	-	Internal	-
5763815220	1.85 VA	3 VA	2.6 VA	Internal	-
5763815270	2.4 VA	4.2 VA	3.4 VA	Internal	-
5763815670	2.4 VA	4.2 VA	3.4 VA	Internal	-
5763815280	2 VA	3.2 VA	2.8 VA	Internal	-
5763860220	-	-	-	External	-
5763860620	-	-	-	External	-
5763865270	2.4 VA	4.2 VA	3.4 VA	External	-
5763865670	2.4 VA	4.2 VA	3.4 VA	External	-
5763820210	-	-	-	Internal	0.66 Cv
5763820220	-	-	-	Internal	0.66 Cv
5763820620	-	-	-	Internal	0.66 Cv
5763825270	2.4 VA	4.2 VA	3.4 VA	Internal	0.66 Cv
5763825670	2.4 VA	4.2 VA	3.4 VA	Internal	0.66 Cv
5763825280	2 VA	3.2 VA	2.8 VA	Internal	0.66 Cv
5763870220	-	-	-	External	0.66 Cv
5763870620	-	-	-	External	0.66 Cv
5763875270	2.4 VA	4.2 VA	3.4 VA	External	0.66 Cv
5763875670	2.4 VA	4.2 VA	3.4 VA	External	0.66 Cv

Part No.	Nominal flow 1 ► 2	Nominal flow 2 ► 3	Working pressure min./max.
5763800220	0.762 Cv	0.66 Cv	44 ... 145 psi
5763800620	0.762 Cv	0.66 Cv	44 ... 145 psi
5763800920	0.762 Cv	0.66 Cv	44 ... 232 psi
5763805270	0.762 Cv	0.66 Cv	44 ... 145 psi
5763805670	0.762 Cv	0.66 Cv	44 ... 145 psi
5763850220	0.762 Cv	0.66 Cv	-13 ... 232 psi
5763850620	0.762 Cv	0.66 Cv	-13 ... 232 psi

Part No.	Nominal flow 1 ► 2	Nominal flow 2 ► 3	Working pressure min./max.
5763855270	0.762 Cv	0.66 Cv	-13 ... 232 psi
5763855670	0.762 Cv	0.66 Cv	-13 ... 232 psi
5763810220	0.66 Cv	0.762 Cv	44 ... 145 psi
5763810620	0.66 Cv	0.762 Cv	44 ... 145 psi
5763810920	0.66 Cv	0.762 Cv	44 ... 232 psi
5763815220	0.66 Cv	0.762 Cv	44 ... 145 psi
5763815270	0.66 Cv	0.762 Cv	44 ... 145 psi
5763815670	0.66 Cv	0.762 Cv	44 ... 145 psi
5763815280	0.66 Cv	0.762 Cv	44 ... 145 psi
5763860220	0.66 Cv	0.762 Cv	-13 ... 232 psi
5763860620	0.66 Cv	0.762 Cv	-13 ... 232 psi
5763865270	0.66 Cv	0.762 Cv	-13 ... 232 psi
5763865670	0.66 Cv	0.762 Cv	-13 ... 232 psi
5763820210	0.66 Cv	0.66 Cv	44 ... 145 psi
5763820220	0.66 Cv	0.66 Cv	44 ... 145 psi
5763820620	0.66 Cv	0.66 Cv	44 ... 145 psi
5763825270	0.66 Cv	0.66 Cv	44 ... 145 psi
5763825670	0.66 Cv	0.66 Cv	44 ... 145 psi
5763825280	0.66 Cv	0.66 Cv	44 ... 145 psi
5763870220	0.66 Cv	0.66 Cv	-13 ... 232 psi
5763870620	0.66 Cv	0.66 Cv	-13 ... 232 psi
5763875270	0.66 Cv	0.66 Cv	-13 ... 232 psi
5763875670	0.66 Cv	0.66 Cv	-13 ... 232 psi

Part No.	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
5763800220	44 ... 145 psi	27 ms	55 ms
5763800620	44 ... 145 psi	27 ms	55 ms
5763800920	44 ... 232 psi	27 ms	55 ms
5763805270	44 ... 145 psi	27 ms	55 ms
5763805670	44 ... 145 psi	27 ms	55 ms
5763850220	44 ... 145 psi	27 ms	55 ms
5763850620	44 ... 145 psi	27 ms	55 ms
5763855270	44 ... 145 psi	27 ms	55 ms
5763855670	44 ... 145 psi	27 ms	55 ms
5763810220	44 ... 145 psi	24 ms	58 ms
5763810620	44 ... 145 psi	24 ms	58 ms
5763810920	44 ... 232 psi	24 ms	58 ms
5763815220	44 ... 145 psi	24 ms	58 ms
5763815270	44 ... 145 psi	24 ms	58 ms
5763815670	44 ... 145 psi	24 ms	58 ms
5763815280	44 ... 145 psi	24 ms	58 ms
5763860220	44 ... 145 psi	24 ms	58 ms
5763860620	44 ... 145 psi	24 ms	58 ms
5763865270	44 ... 145 psi	24 ms	58 ms
5763865670	44 ... 145 psi	24 ms	58 ms
5763820210	44 ... 145 psi	24 ms	49 ms

Part No.	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
5763820220	44 ... 145 psi	24 ms	49 ms
5763820620	44 ... 145 psi	24 ms	49 ms
5763825270	44 ... 145 psi	24 ms	49 ms
5763825670	44 ... 145 psi	24 ms	49 ms
5763825280	44 ... 145 psi	24 ms	49 ms
5763870220	44 ... 145 psi	24 ms	49 ms
5763870620	44 ... 145 psi	24 ms	49 ms
5763875270	44 ... 145 psi	24 ms	49 ms
5763875670	44 ... 145 psi	24 ms	49 ms

Part No.	Electrical connection Pilot valve	Power consumption
5763800220	Plug EN 175301-803, form C	-
5763800620	Plug EN 175301-803, form C	-
5763800920	Plug EN 175301-803, form C	Low power consumption
5763805270	Plug EN 175301-803, form C	-
5763805670	Plug EN 175301-803, form C	-
5763850220	Plug EN 175301-803, form C	-
5763850620	Plug EN 175301-803, form C	-
5763855270	Plug EN 175301-803, form C	-
5763855670	Plug EN 175301-803, form C	-
5763810220	Plug EN 175301-803, form C	-
5763810620	Plug EN 175301-803, form C	-
5763810920	Plug EN 175301-803, form C	Low power consumption
5763815220	Plug EN 175301-803, form C	-
5763815270	Plug EN 175301-803, form C	-
5763815670	Plug EN 175301-803, form C	-
5763815280	Plug EN 175301-803, form C	-
5763860220	Plug EN 175301-803, form C	-
5763860620	Plug EN 175301-803, form C	-
5763865270	Plug EN 175301-803, form C	-
5763865670	Plug EN 175301-803, form C	-
5763820210	Plug EN 175301-803, form C	-
5763820220	Plug EN 175301-803, form C	-
5763820620	Plug EN 175301-803, form C	-
5763825270	Plug EN 175301-803, form C	-
5763825670	Plug EN 175301-803, form C	-
5763825280	Plug EN 175301-803, form C	-
5763870220	Plug EN 175301-803, form C	-
5763870620	Plug EN 175301-803, form C	-
5763875270	Plug EN 175301-803, form C	-
5763875670	Plug EN 175301-803, form C	-

Nominal flow Q_n at 87 psi and Δp = 14.5 psi, 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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

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).

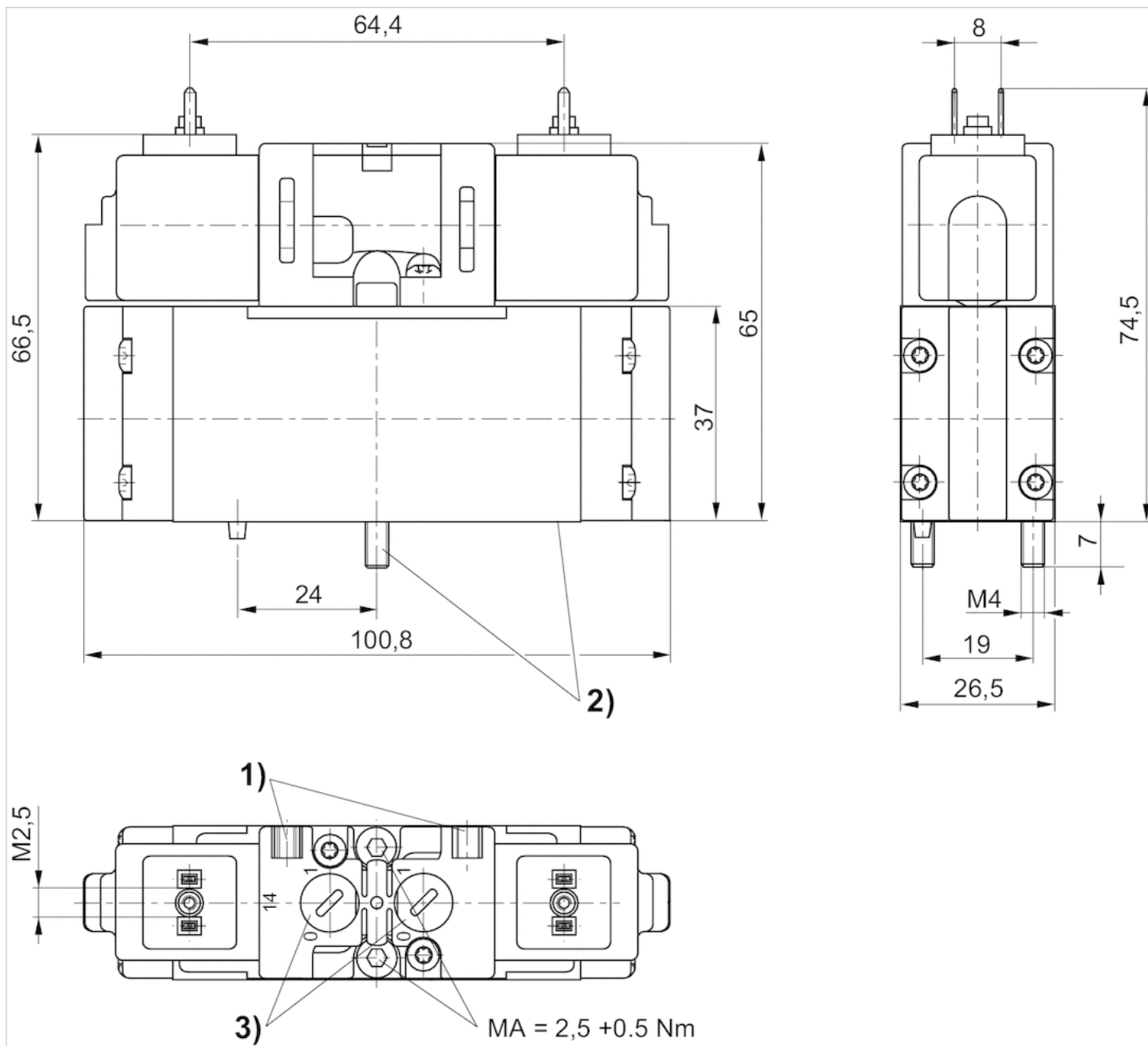
Versions with voltage of less than 50 V DC do not have a protective ground.

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