3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Pilot valve width : 30 mm
- NC NO
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent without
- single solenoid
- With spring return
- Pilot : internal external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
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 ... 1 mg/m³
Nominal flow Qn	1400 l/min
Nominal flow 1 ▸ 2	1400 l/min
Nominal flow 2 ▸ 3	1400 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
5772070220		NC/NO		G 1/4
5772075270		NC/NO		G 1/4
5772075280		NC/NO		G 1/4
5772072220		NC/NO		G 1/4
5772075220		NC/NO		G 1/4
5772075302		NC/NO		G 1/4
5772080220		NC/NO		G 1/4
5772085270		NC/NO		G 1/4
5772085280		NC/NO		G 1/4
5772085220		NC/NO		G 1/4
5772085302		NC/NO		G 1/4
R412004091		NC/NO		G 1/4
R412004092		NC/NO		G 1/4
5772960220		NC/NO	—	G 1/4
5772965302		NC/NO	—	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5772070220	G 1/4	G 1/4
5772075270	G 1/4	G 1/4
5772075280	G 1/4	G 1/4
5772072220	G 1/4	G 1/4
5772075220	G 1/4	G 1/4
5772075302	G 1/4	G 1/4
5772080220	G 1/4	G 1/4
5772085270	G 1/4	G 1/4
5772085280	G 1/4	G 1/4
5772085220	G 1/4	G 1/4
5772085302	G 1/4	G 1/4
R412004091	G 1/4	G 1/4
R412004092	G 1/4	G 1/4
5772960220	G 1/4	G 1/4
5772965302	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772070220	-	-	24 V
5772075270	-	-	-
5772075280	-	-	-
5772072220	-	-	24 V
5772075220	-	-	-
5772075302	-	-	-
5772080220	G 1/8	M5	24 V
5772085270	G 1/8	M5	-
5772085280	G 1/8	M5	-
5772085220	G 1/8	M5	-

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772085302	G 1/8	M5	-
R412004091	-	-	24 V
R412004092	G 1/8	M5	24 V
5772960220	-	-	24 V
5772965302	-	-	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5772070220	-	-	-10% / +10%	-
5772075270	110 V	110 V	-	-20% / +10%
5772075280	230 V	230 V	-	-20% / +10%
5772072220	-	-	-20% / +30%	-
5772075220	24 V	24 V	-	-20% / +10%
5772075302	-	-	-	-
5772080220	-	-	-10% / +10%	-
5772085270	110 V	110 V	-	-20% / +10%
5772085280	230 V	230 V	-	-20% / +10%
5772085220	24 V	24 V	-	-20% / +10%
5772085302	-	-	-	-
R412004091	-	-	-10% / +10%	-
R412004092	-	-	-10% / +10%	-
5772960220	-	-	-10% / +10%	-
5772965302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5772070220	-	2,1 W	-	-
5772075270	-10% / +20%	-	4,3 VA	3,3 VA
5772075280	-10% / +20%	-	4,8 VA	4,1 VA
5772072220	-	4,5 W	-	-
5772075220	-10% / +20%	-	4,3 VA	3,2 VA
5772075302	-	-	-	-
5772080220	-	2,1 W	-	-
5772085270	-10% / +20%	-	4,3 VA	3,3 VA
5772085280	-10% / +20%	-	4,8 VA	4,1 VA
5772085220	-10% / +20%	-	4,3 VA	3,2 VA
5772085302	-	-	-	-
R412004091	-	2,1 W	-	-
R412004092	-	2,1 W	-	-
5772960220	-	2,1 W	-	-
5772965302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, 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 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).

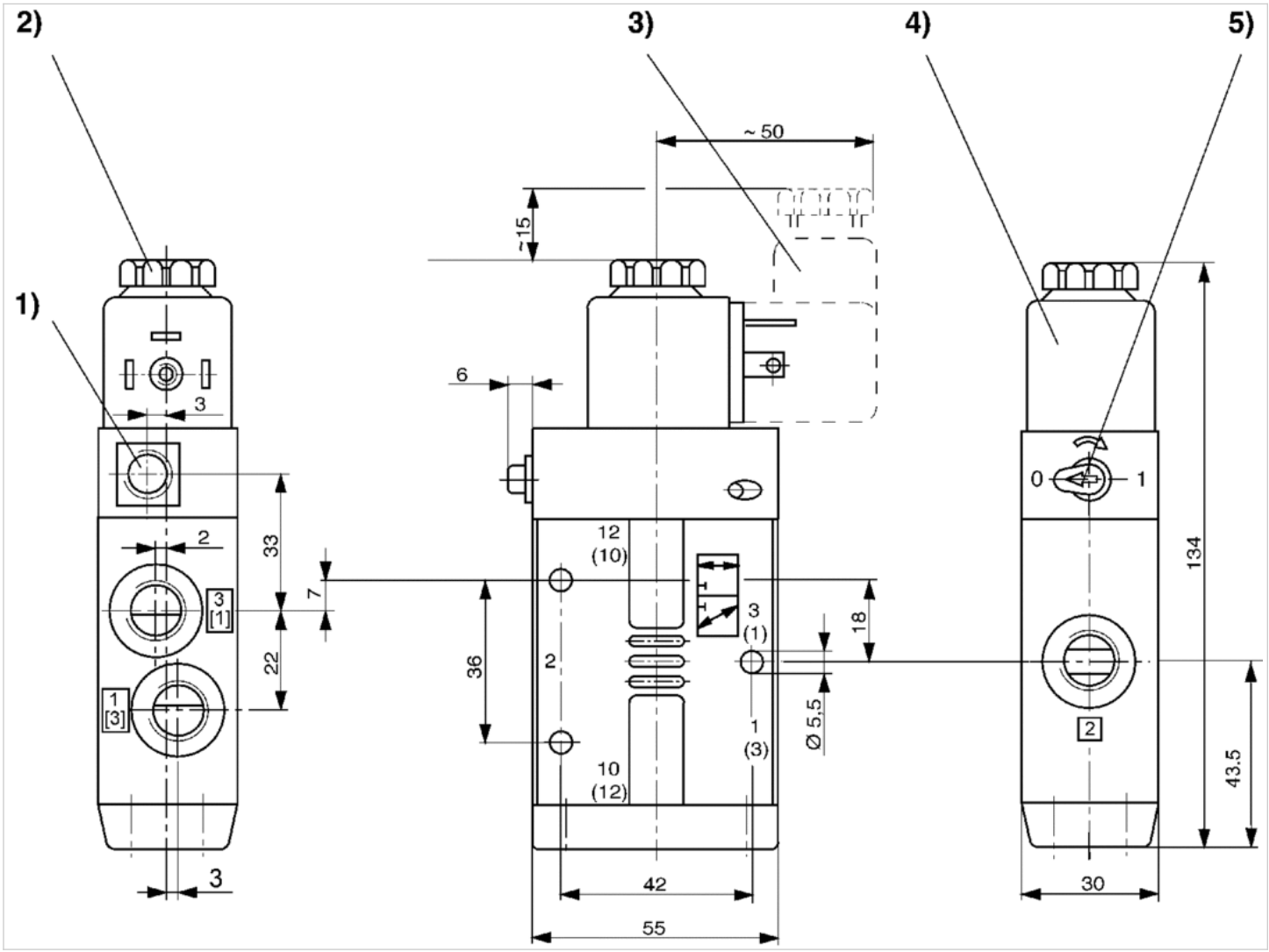
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent without
- single solenoid
- With spring return
- Pilot : internal external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
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 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	See table below
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776070220			G 1/4	G 1/4
5776075280			G 1/4	G 1/4
5776080220			G 1/4	G 1/4
5776085280			G 1/4	G 1/4
5776075302			G 1/4	G 1/4
5776085302			G 1/4	G 1/4
R412004093			G 1/4	G 1/4
5776070360			G 1/4	G 1/4
5776085270			G 1/4	G 1/4
5776980220		—	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5776070220	G 1/4	-
5776075280	G 1/4	-
5776080220	G 1/4	G 1/8
5776085280	G 1/4	G 1/8
5776075302	G 1/4	-
5776085302	G 1/4	G 1/8
R412004093	G 1/4	-
5776070360	G 1/4	-
5776085270	G 1/4	G 1/8
5776980220	G 1/4	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5776070220	-	24 V	-
5776075280	-	-	230 V
5776080220	M5	24 V	-
5776085280	M5	-	230 V
5776075302	-	-	-
5776085302	M5	-	-
R412004093	-	24 V	-
5776070360	-	96 V	-
5776085270	M5	-	110 V
5776980220	-	24 V	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776070220	-	-10% / +15%	-	-
5776075280	230 V	-	-20% / +10%	-10% / +20%
5776080220	-	-10% / +10%	-	-
5776085280	230 V	-	-20% / +10%	-10% / +20%
5776075302	-	-	-	-
5776085302	-	-	-	-
R412004093	-	-10% / +10%	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776070360	-	-30% / +30%	-	-
5776085270	110 V	-	-20% / +10%	-10% / +20%
5776980220	-	-10% / +10%	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776070220	2,1 W	-	-	-
5776075280	-	4,8 VA	4,1 VA	6,9 VA
5776080220	2,1 W	-	-	-
5776085280	-	4,8 VA	4,1 VA	6,9 VA
5776075302	-	-	-	-
5776085302	-	-	-	-
R412004093	2,1 W	-	-	-
5776070360	5,8 W	-	-	-
5776085270	-	4,3 VA	3,3 VA	6,8 VA
5776980220	2,1 W	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override, Nickel-plated armature guide (only suitable for DC variant), i.e. the base must not be equipped with AC coils.

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).

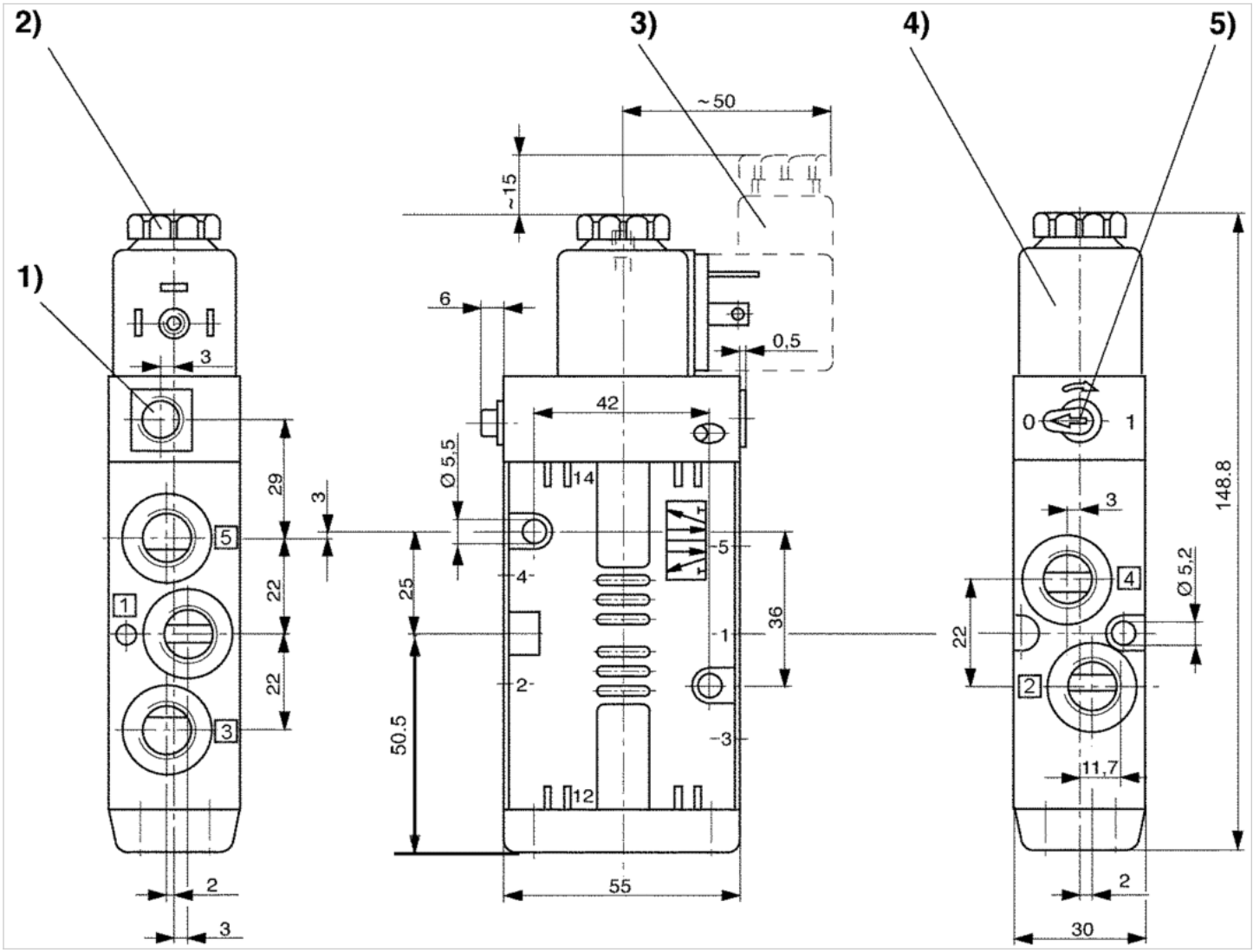
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- - 25 °C cold-resistant
- Manual override : with detent
- Double solenoid
- Pilot : internal external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection
			Input
5776270220			G 1/4
5776272220			G 1/4
5776275270			G 1/4
5776275280			G 1/4
5776275220			G 1/4
5776275302			G 1/4
5776280220			G 1/4
5776285270			G 1/4
5776285280			G 1/4
5776285302			G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5776270220	G 1/4	G 1/4
5776272220	G 1/4	G 1/4
5776275270	G 1/4	G 1/4
5776275280	G 1/4	G 1/4
5776275220	G 1/4	G 1/4
5776275302	G 1/4	G 1/4
5776280220	G 1/4	G 1/4
5776285270	G 1/4	G 1/4
5776285280	G 1/4	G 1/4
5776285302	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5776270220	-	-	24 V
5776272220	-	-	24 V
5776275270	-	-	-
5776275280	-	-	-
5776275220	-	-	-
5776275302	-	-	-
5776280220	G 1/8	M5	24 V
5776285270	G 1/8	M5	-
5776285280	G 1/8	M5	-
5776285302	G 1/8	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776270220	-	-	-10% / +10%	-
5776272220	-	-	-20% / +30%	-
5776275270	110 V	110 V	-	-20% / +10%
5776275280	230 V	230 V	-	-20% / +10%
5776275220	24 V	24 V	-	-20% / +10%
5776275302	-	-	-	-
5776280220	-	-	-10% / +10%	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776285270	110 V	110 V	-	-20% / +10%
5776285280	230 V	230 V	-	-20% / +10%
5776285302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776270220	-	2,1 W	-	-
5776272220	-	4,5 W	-	-
5776275270	-10% / +20%	-	4,3 VA	3,3 VA
5776275280	-10% / +20%	-	4,8 VA	4,1 VA
5776275220	-10% / +20%	-	4,3 VA	3,2 VA
5776275302	-	-	-	-
5776280220	-	2,1 W	-	-
5776285270	-10% / +20%	-	4,3 VA	3,3 VA
5776285280	-10% / +20%	-	4,8 VA	4,1 VA
5776285302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, 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 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).

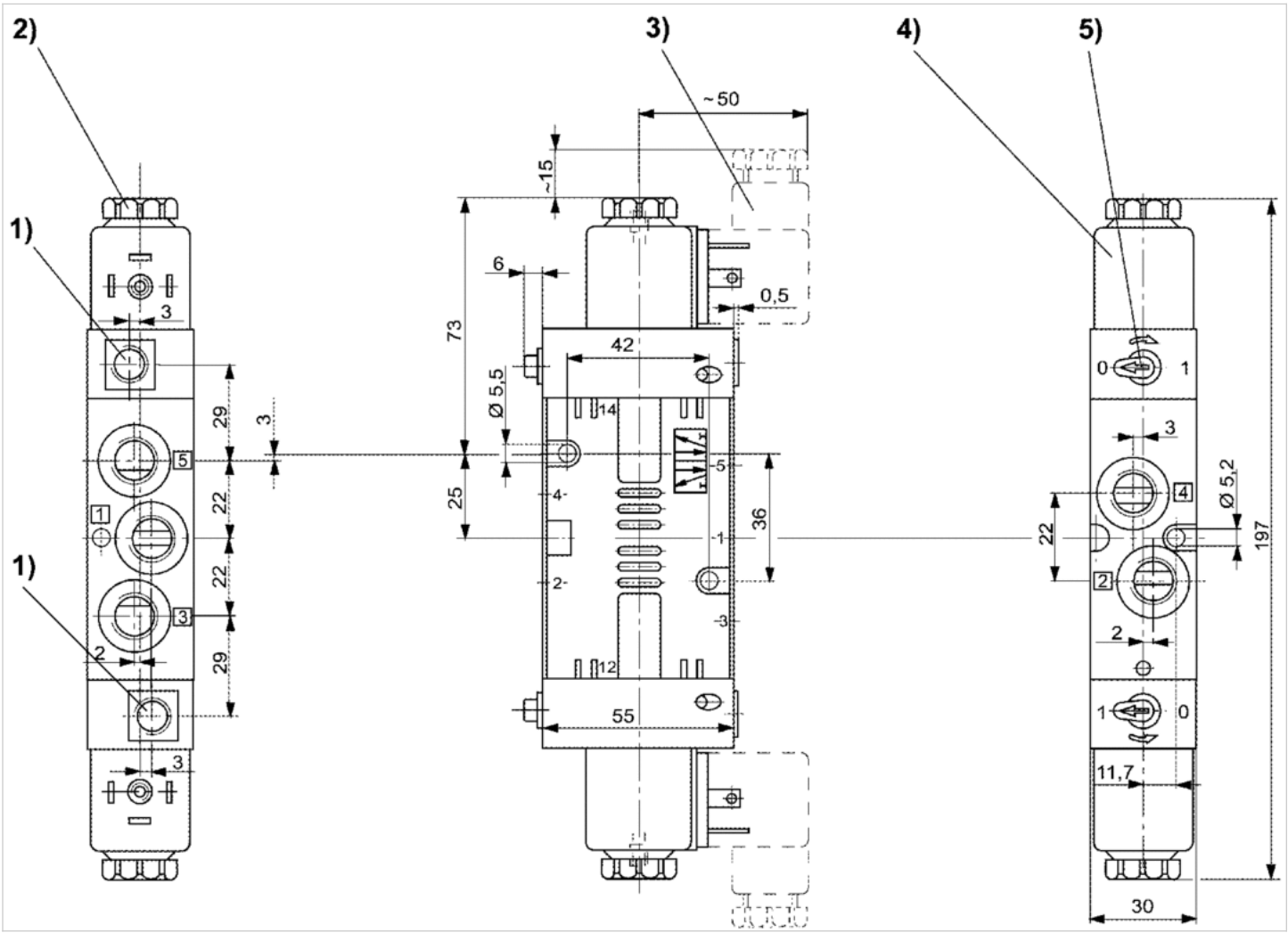
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

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5/3-directional valve, Series CD07

- Qn = 900 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- With spring return
- Pilot : internal external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
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 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	See table below

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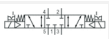
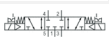
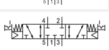
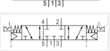
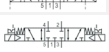
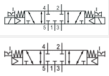
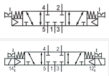
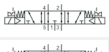
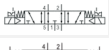
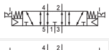
Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777770220			G 1/4	G 1/4
5777775270			G 1/4	G 1/4
5777775280			G 1/4	G 1/4
5777775220			G 1/4	G 1/4
5777775302			G 1/4	G 1/4
5777955302			G 1/4	G 1/4
5777720220			G 1/4	G 1/4
5777725280			G 1/4	G 1/4
5777725302			G 1/4	G 1/4
R412003424			G 1/4	G 1/4
5777955280			G 1/4	G 1/4
5777760220			G 1/4	G 1/4
5777765270			G 1/4	G 1/4
5777765280			G 1/4	G 1/4
5777765302			G 1/4	G 1/4
5777945302			G 1/4	G 1/4
5777710220			G 1/4	G 1/4
5777715280			G 1/4	G 1/4
5777715302			G 1/4	G 1/4
5777750220			G 1/4	G 1/4
5777755280			G 1/4	G 1/4
5777755302			G 1/4	G 1/4
5777700220			G 1/4	G 1/4
5777705302			G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777770220	G 1/4	-
5777775270	G 1/4	-
5777775280	G 1/4	-
5777775220	G 1/4	-
5777775302	G 1/4	-
5777955302	G 1/4	G 1/8
5777720220	G 1/4	-
5777725280	G 1/4	-
5777725302	G 1/4	-
R412003424	G 1/4	G 1/8
5777955280	G 1/4	G 1/8
5777760220	G 1/4	-
5777765270	G 1/4	-
5777765280	G 1/4	-
5777765302	G 1/4	-
5777945302	G 1/4	G 1/8
5777710220	G 1/4	-
5777715280	G 1/4	-
5777715302	G 1/4	-

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Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777750220	G 1/4	-
5777755280	G 1/4	-
5777755302	G 1/4	-
5777700220	G 1/4	-
5777705302	G 1/4	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5777770220	M5	24 V	-
5777775270	M5	-	110 V
5777775280	M5	-	230 V
5777775220	M5	-	24 V
5777775302	M5	-	-
5777955302	M5	-	-
5777720220	M5	24 V	-
5777725280	M5	-	230 V
5777725302	M5	-	-
R412003424	M5	24 V	-
5777955280	M5	-	230 V
5777760220	M5	24 V	-
5777765270	M5	-	110 V
5777765280	M5	-	230 V
5777765302	M5	-	-
5777945302	M5	-	-
5777710220	M5	24 V	-
5777715280	M5	-	230 V
5777715302	M5	-	-
5777750220	M5	24 V	-
5777755280	M5	-	230 V
5777755302	M5	-	-
5777700220	M5	24 V	-
5777705302	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777770220	-	-10% / +10%	-	-
5777775270	110 V	-	-20% / +10%	-10% / +20%
5777775280	230 V	-	-20% / +10%	-10% / +20%
5777775220	24 V	-	-20% / +10%	-10% / +20%
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	-	-10% / +10%	-	-
5777725280	230 V	-	-20% / +10%	-10% / +20%
5777725302	-	-	-	-
R412003424	-	-10% / +10%	-	-
5777955280	230 V	-	-20% / +10%	-10% / +20%
5777760220	-	-10% / +10%	-	-
5777765270	110 V	-	-20% / +10%	-10% / +20%
5777765280	230 V	-	-20% / +10%	-10% / +20%

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Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	-	-10% / +10%	-	-
5777715280	230 V	-	-20% / +10%	-10% / +20%
5777715302	-	-	-	-
5777750220	-	-10% / +10%	-	-
5777755280	230 V	-	-20% / +10%	-10% / +20%
5777755302	-	-	-	-
5777700220	-	-10% / +10%	-	-
5777705302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777770220	2,1 W	-	-	-
5777775270	-	4,3 VA	3,3 VA	6,8 VA
5777775280	-	4,8 VA	4,1 VA	6,9 VA
5777775220	-	4,3 VA	3,2 VA	6,9 VA
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	2,1 W	-	-	-
5777725280	-	4,8 VA	4,1 VA	6,9 VA
5777725302	-	-	-	-
R412003424	2,1 W	-	-	-
5777955280	-	4,8 VA	4,1 VA	6,9 VA
5777760220	2,1 W	-	-	-
5777765270	-	4,3 VA	3,3 VA	6,8 VA
5777765280	-	4,8 VA	4,1 VA	6,9 VA
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	2,1 W	-	-	-
5777715280	-	4,8 VA	4,1 VA	6,9 VA
5777715302	-	-	-	-
5777750220	2,1 W	-	-	-
5777755280	-	4,8 VA	4,1 VA	6,9 VA
5777755302	-	-	-	-
5777700220	2,1 W	-	-	-
5777705302	-	-	-	-

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Nominal flow Qn at 6 bar and Δp = 1 bar, 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 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).

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

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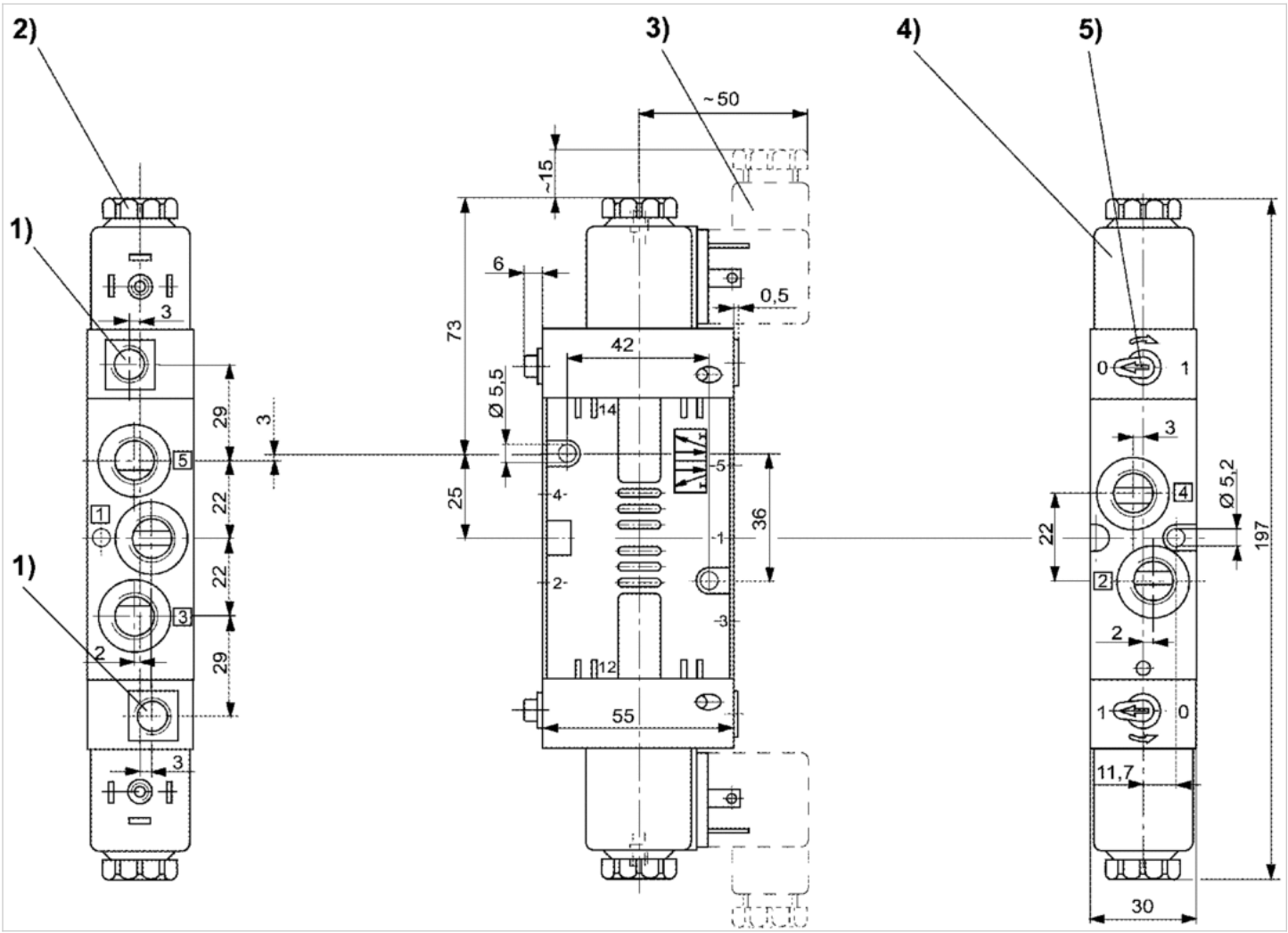
Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

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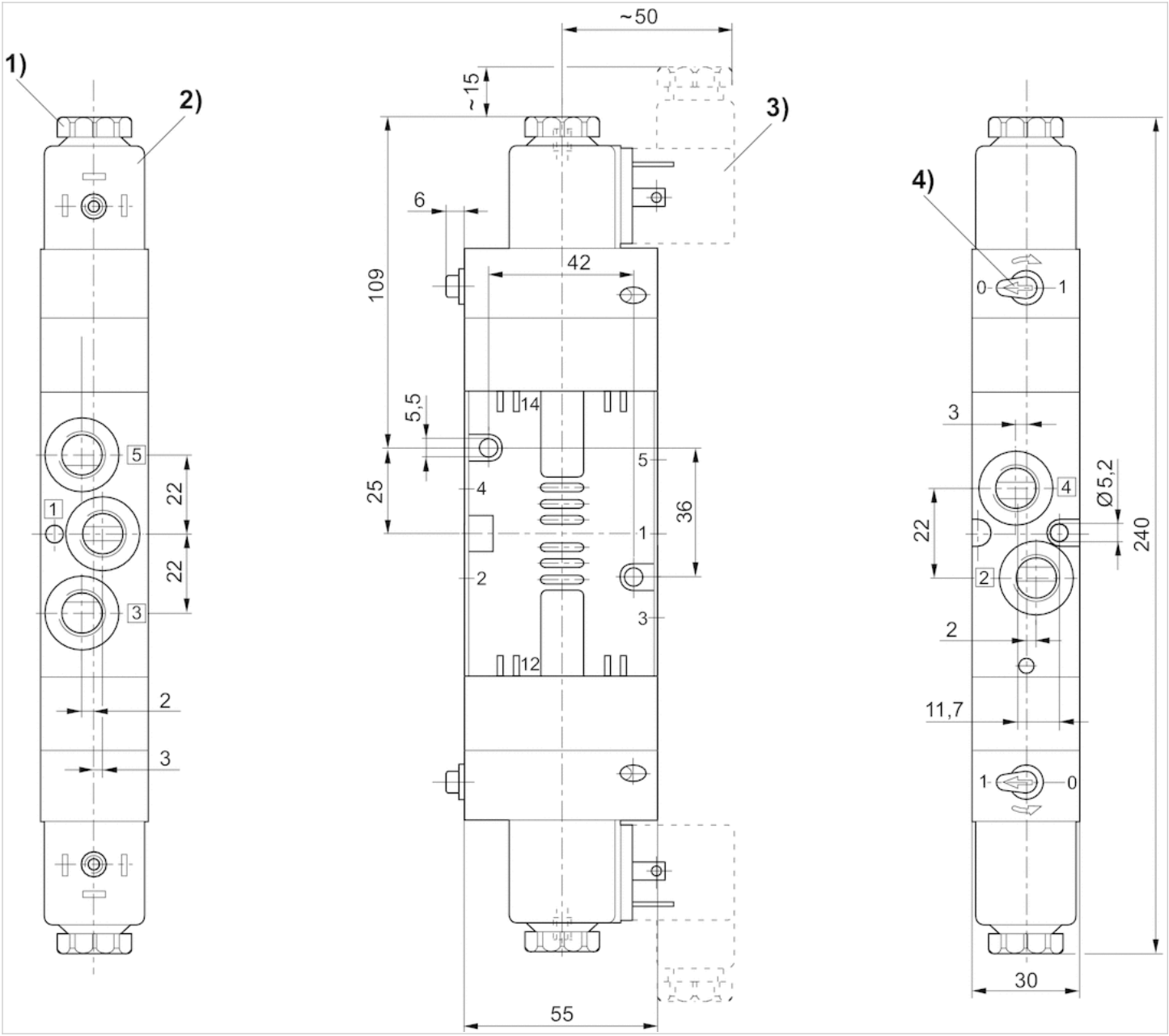
Fig. 2



1) After removal of cap M5 internal thread 2) Coil can be plugged at 45° intervals 3) Valve plug connector4) Manual override

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5/3-directional valve, Series CD07

- Qn = 900 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- With spring return
- Pilot : internal external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
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 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	See table below

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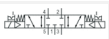
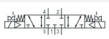
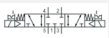
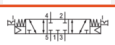
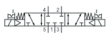
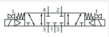
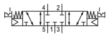
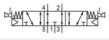
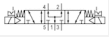
Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777770220			G 1/4	G 1/4
5777775270			G 1/4	G 1/4
5777775280			G 1/4	G 1/4
5777775220			G 1/4	G 1/4
5777775302			G 1/4	G 1/4
5777955302			G 1/4	G 1/4
5777720220			G 1/4	G 1/4
5777725280			G 1/4	G 1/4
5777725302			G 1/4	G 1/4
R412003424			G 1/4	G 1/4
5777955280			G 1/4	G 1/4
5777760220			G 1/4	G 1/4
5777765270			G 1/4	G 1/4
5777765280			G 1/4	G 1/4
5777765302			G 1/4	G 1/4
5777945302			G 1/4	G 1/4
5777710220			G 1/4	G 1/4
5777715280			G 1/4	G 1/4
5777715302			G 1/4	G 1/4
5777750220			G 1/4	G 1/4
5777755280			G 1/4	G 1/4
5777755302			G 1/4	G 1/4
5777700220			G 1/4	G 1/4
5777705302			G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777770220	G 1/4	-
5777775270	G 1/4	-
5777775280	G 1/4	-
5777775220	G 1/4	-
5777775302	G 1/4	-
5777955302	G 1/4	G 1/8
5777720220	G 1/4	-
5777725280	G 1/4	-
5777725302	G 1/4	-
R412003424	G 1/4	G 1/8
5777955280	G 1/4	G 1/8
5777760220	G 1/4	-
5777765270	G 1/4	-
5777765280	G 1/4	-
5777765302	G 1/4	-
5777945302	G 1/4	G 1/8
5777710220	G 1/4	-
5777715280	G 1/4	-
5777715302	G 1/4	-

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Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777750220	G 1/4	-
5777755280	G 1/4	-
5777755302	G 1/4	-
5777700220	G 1/4	-
5777705302	G 1/4	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5777770220	M5	24 V	-
5777775270	M5	-	110 V
5777775280	M5	-	230 V
5777775220	M5	-	24 V
5777775302	M5	-	-
5777955302	M5	-	-
5777720220	M5	24 V	-
5777725280	M5	-	230 V
5777725302	M5	-	-
R412003424	M5	24 V	-
5777955280	M5	-	230 V
5777760220	M5	24 V	-
5777765270	M5	-	110 V
5777765280	M5	-	230 V
5777765302	M5	-	-
5777945302	M5	-	-
5777710220	M5	24 V	-
5777715280	M5	-	230 V
5777715302	M5	-	-
5777750220	M5	24 V	-
5777755280	M5	-	230 V
5777755302	M5	-	-
5777700220	M5	24 V	-
5777705302	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777770220	-	-10% / +10%	-	-
5777775270	110 V	-	-20% / +10%	-10% / +20%
5777775280	230 V	-	-20% / +10%	-10% / +20%
5777775220	24 V	-	-20% / +10%	-10% / +20%
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	-	-10% / +10%	-	-
5777725280	230 V	-	-20% / +10%	-10% / +20%
5777725302	-	-	-	-
R412003424	-	-10% / +10%	-	-
5777955280	230 V	-	-20% / +10%	-10% / +20%
5777760220	-	-10% / +10%	-	-
5777765270	110 V	-	-20% / +10%	-10% / +20%
5777765280	230 V	-	-20% / +10%	-10% / +20%

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Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	-	-10% / +10%	-	-
5777715280	230 V	-	-20% / +10%	-10% / +20%
5777715302	-	-	-	-
5777750220	-	-10% / +10%	-	-
5777755280	230 V	-	-20% / +10%	-10% / +20%
5777755302	-	-	-	-
5777700220	-	-10% / +10%	-	-
5777705302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777770220	2,1 W	-	-	-
5777775270	-	4,3 VA	3,3 VA	6,8 VA
5777775280	-	4,8 VA	4,1 VA	6,9 VA
5777775220	-	4,3 VA	3,2 VA	6,9 VA
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	2,1 W	-	-	-
5777725280	-	4,8 VA	4,1 VA	6,9 VA
5777725302	-	-	-	-
R412003424	2,1 W	-	-	-
5777955280	-	4,8 VA	4,1 VA	6,9 VA
5777760220	2,1 W	-	-	-
5777765270	-	4,3 VA	3,3 VA	6,8 VA
5777765280	-	4,8 VA	4,1 VA	6,9 VA
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	2,1 W	-	-	-
5777715280	-	4,8 VA	4,1 VA	6,9 VA
5777715302	-	-	-	-
5777750220	2,1 W	-	-	-
5777755280	-	4,8 VA	4,1 VA	6,9 VA
5777755302	-	-	-	-
5777700220	2,1 W	-	-	-
5777705302	-	-	-	-

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

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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).

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

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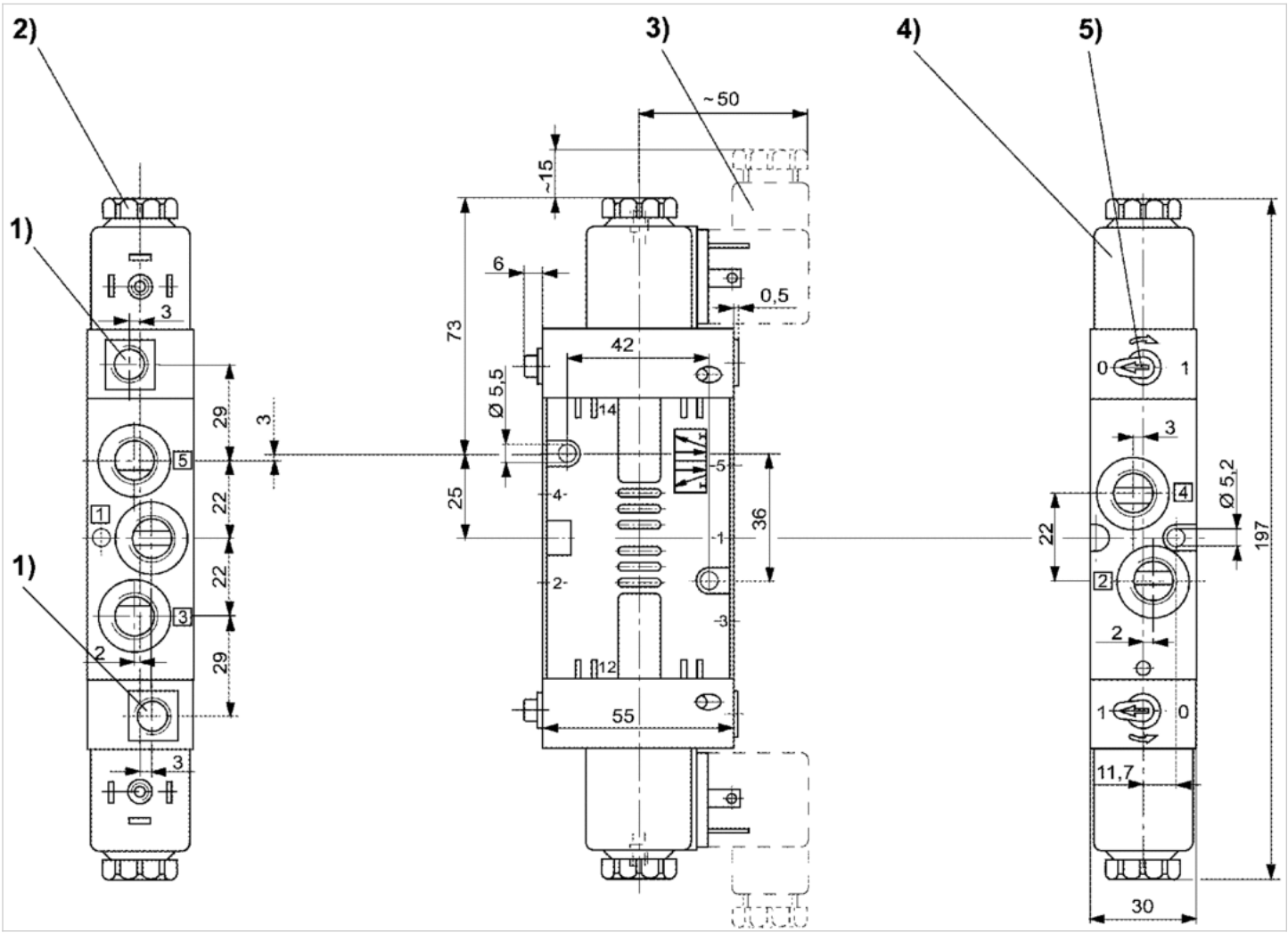
Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

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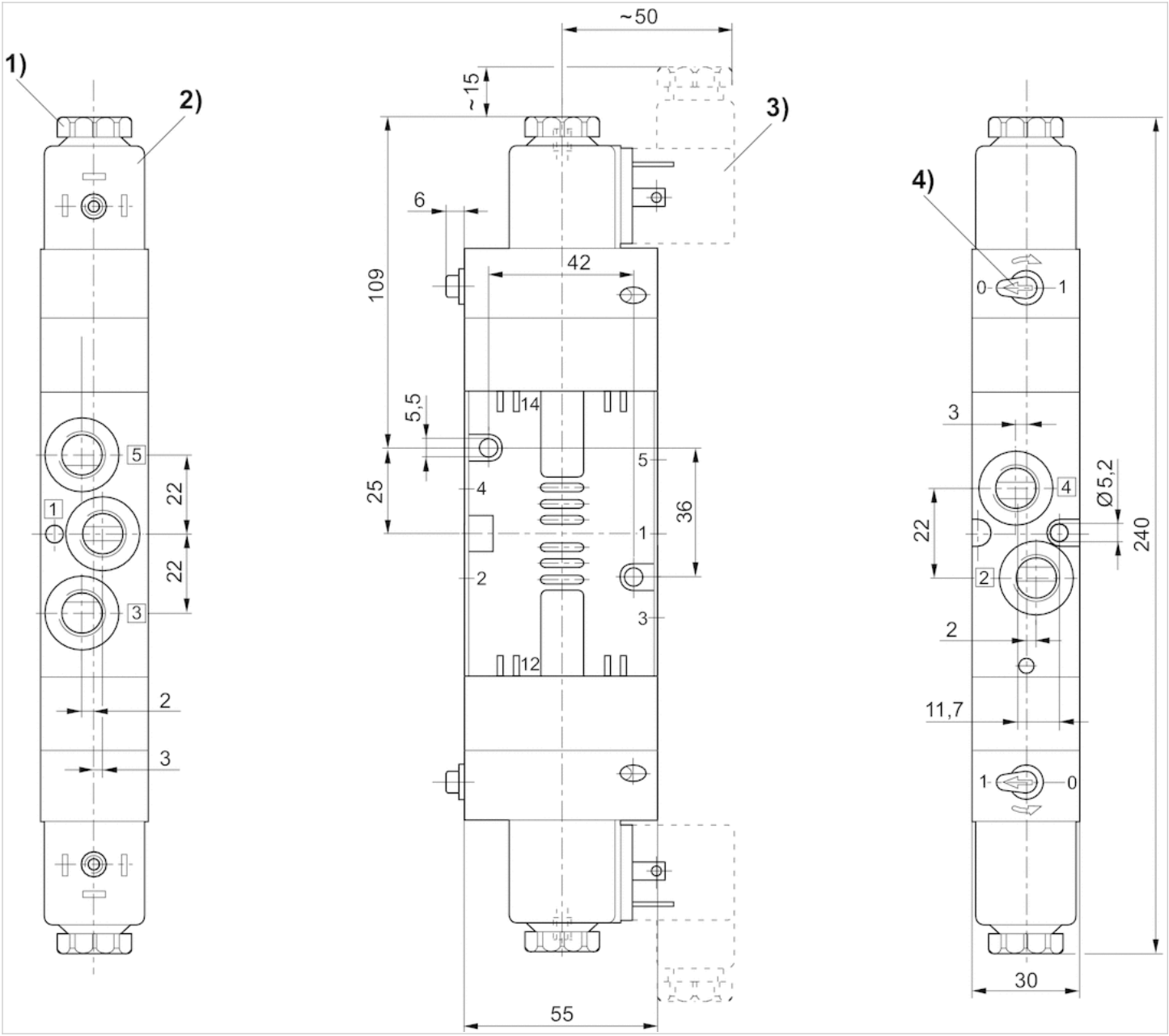
Fig. 2



1) After removal of cap M5 internal thread 2) Coil can be plugged at 45° intervals 3) Valve plug connector4) Manual override