AVENTICS

Directional valves ► Electrically operated

Series CD07

Rexroth
Pneumatics

Brochure

Electrically operated

Directional valves ► Electrically operated
Series CD07

Valves with Namur port as per VDI/VDE3845

5/2-directional valve, Series CD07
► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid ► Pilot: internal

35

5/2-directional valve, Series CD07
► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal

37

5/3-directional valve, Series CD07
► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal ► ATEX optional

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Accessories

Electrical connector, Series CN1
► 18 mm ► ISO 4400, form A ► Electrical connector, form A

41

Connector with cable, Series CN1
► ISO 4400, form A ► with cable ► 18 mm

42

Coil, Series CO1
► with electrical connector ► Coil width 30 mm ► ATEX certified

44

Coil, Series CO1
► Cable with connector ► Coil width 30 mm ► ATEX certified

45

Coil, Series CO1
► form A ► Coil width 30 mm

47

P-manifold
► for series CD07, 5/2 and 5/3-directional valves

48

R, P, S subbase, Series CD07

50

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Directional valves ► Electrically operated
Series CD07

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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

00134142

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 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 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

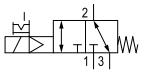
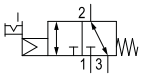
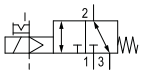
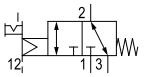
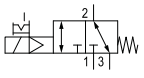
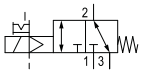
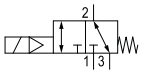
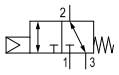
Technical Remarks

- 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, see chapter „Technical information“.
- 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.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
24 V	-	-	-20% / +30%	-	-	4.5	-	-	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	6.9	5.6	4.3	3.2

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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

		MO	Compressed air connection					Operational voltage			Part No.
			Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	**5772070220**
								-	110 V	110 V	**5772075270**
								-	230 V	230 V	**5772075280**
								24 V	-	-	**5772072220**
								-	24 V	24 V	**5772075220**
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	**5772075302**
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	**5772080220**
								-	110 V	110 V	5772085270
								-	230 V	230 V	**5772085280**
								-	24 V	24 V	5772085220
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	**5772085302**
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	R412004091
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	**R412004092**
	NC/NO	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	**5772960220**
	NC/NO	-	G 1/4	G 1/4	G 1/4	-	M5	-	-	-	5772965302

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3			
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[°C]	[°C]
5772070220	2.1	-	-	-	-						
5772075270	-	4.3	3.3	6.8	5.7						
5772075280	-	4.8	4.1	6.9	5.8	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C
5772072220	4.5	-	-	-	-						
5772075220	-	4.3	3.2	6.9	5.6						
5772075302	-	-	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C
5772080220	2.1	-	-	-	-						
5772085270	-	4.3	3.3	6.8	5.7						
5772085280	-	4.8	4.1	6.9	5.8	1400	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C
5772085220	-	4.3	3.2	6.9	5.6						

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Ambient temperature min./ max.	Medium temperature min./ max.
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3			
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[°C]	[°C]
5772085302	-	-	-	-	-	1400	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C
R412004091	2.1	-	-	-	-	1400	1400	1400	3 / 10	-10°C / +50°C	-10°C / +50°C
R412004092	2.1	-	-	-	-	1400	1400	1400	-0.95 / 10	-10°C / +50°C	-10°C / +50°C
5772960220	2.1	-	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C
5772965302	-	-	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C

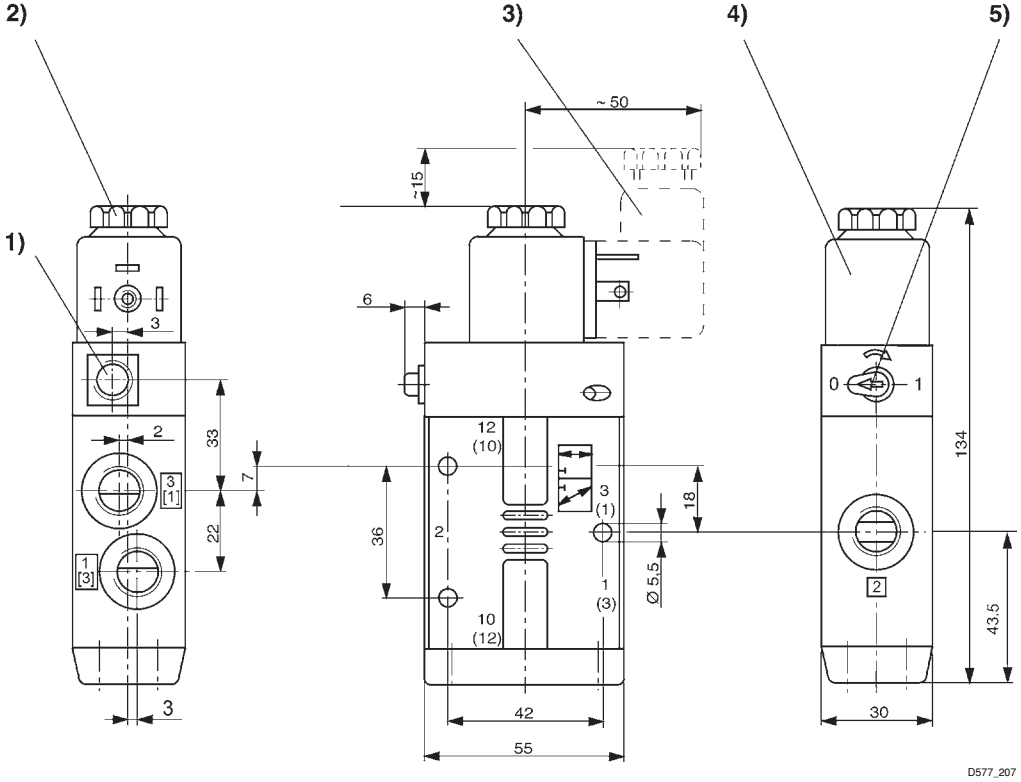
Part No.	Switch-on time	Switch-off time	Protection class	Weight	Note
	tF	tE			
	[ms]	[ms]		[kg]	
5772070220	25	45	IP65	0.54	1)
5772075270					1)
5772075280					1)
5772072220					1); 4)
5772075220					1)
5772075302	-	-	-	-	1); 3); 5)
5772080220	25	45	IP65	0.54	2)
5772085270					
5772085280					
5772085220					
5772085302	-	-	-	-	2); 3); 5)
R412004091	25	45	IP65	0.54	1); 6)
R412004092	25	45	IP65	0.54	2); 6)
5772960220	25	45	IP65	0.54	1)
5772965302	-	-	-	-	1); 3)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) Higher voltage tolerance
5) ATEX optional
6) ATEX certified
Nominal flow Qn at 6 bar and Δp = 1 bar

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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) coil can be plugged at 45° intervals 5) manual override

3/2-directional valve, Series CD07

► Qn = 1400 l/min ► Pilot valve width: 30 mm ► NC, NO ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

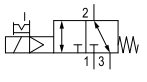
00134142

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.
- 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.

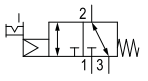
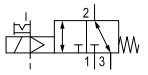
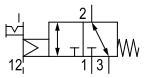
Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
110 V	-	-	-20% / +30%	-	-	4.1	-	-	-	-

		MO	Compressed air connection					Operational voltage			Part No.
			Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
	NC/NO					-	M5	24 V	-	-	**5772020220**
								-	110 V	110 V	5772025270
								-	230 V	230 V	5772025280
								110 V	-	-	5772020770

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

3/2-directional valve, Series CD07

► Qn = 1400 l/min ► Pilot valve width: 30 mm ► NC, NO ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

		MO	Compressed air connection					Operational voltage			Part No.
			Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
	NC/NO					-	M5	-	-	-	**5772025302**
	NC/NO					G 1/8	M5	24 V -	- 230 V	- 230 V	**5772030220** 5772035280
	NC/NO					G 1/8	M5	-	-	-	**5772035302**

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3		tF
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[ms]
5772020220	2.1	-	-	-	-	1400	1400	1400	3 / 10	25
5772025270	-	4.3	3.3	6.8	5.7					
5772025280	-	4.8	4.1	6.9	5.8					
5772020770	4.1	-	-	-	-					
5772025302	-	-	-	-	-	1400	1400	1400	3 / 10	-
5772030220	2.1	-	-	-	-	1400	1400	1400	-0.95 / 10	25
5772035280	-	4.8	4.1	6.9	5.8					
5772035302	-	-	-	-	-	1400	1400	1400	-0.95 / 10	-

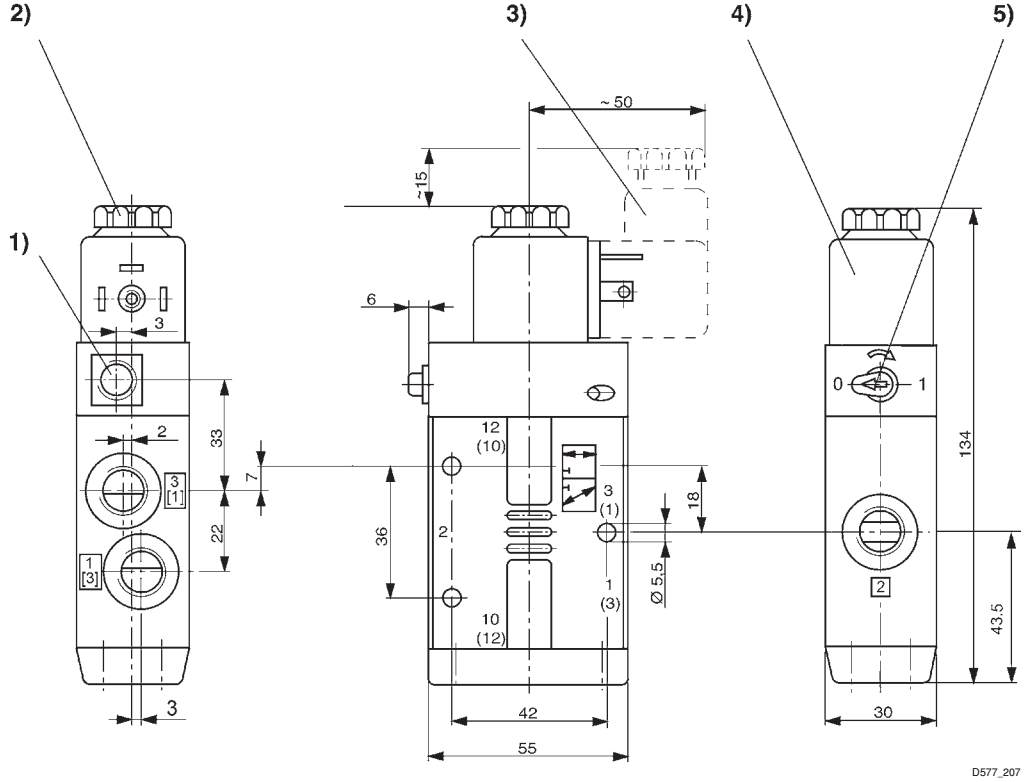
Part No.	Switch-off time	Protection class	Weight	Note
	tE			
	[ms]		[kg]	
5772020220	45	IP65	0.54	1)
5772025270				
5772025280				
5772020770				
5772025302	-	-	-	1); 3); 4)
5772030220	45	IP65	0.54	2)
5772035280				
5772035302	-	-	-	2); 3); 4)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

3/2-directional valve, Series CD07

► Qn = 1400 l/min ► Pilot valve width: 30 mm ► NC, NO ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) 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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

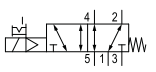

00134143

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 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 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below Protected against polarity reversal
Compatibility index	See table below
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

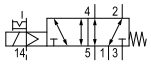
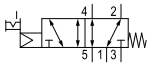
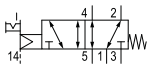
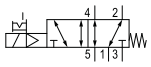
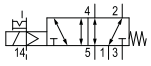
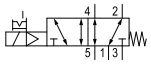
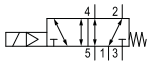
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- 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.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +15%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
96 V	-	-	-30% / +30%	-	-	5.8	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	**5776070220**
							-	230 V	230 V	**5776075280**

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V -	- 230 V	- 230 V	**5776080220** **5776085280**
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	**5776075302**
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	**5776085302**
		G 1/4	G 1/4	G 1/4	-	M5	24 V 96 V	-	-	R412004093 5776070360
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	110 V	110 V	**5776085270**
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	5776970220
	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	5776980220

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Ambient temperature min./ max.	Medium temperature min./ max.
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3			
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[°C]	[°C]
5776070220 **5776075280**	2.1 -	- 4.8	- 4.1	- 6.9	- 5.8	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C
5776080220 **5776085280**	2.1 -	- 4.8	- 4.1	- 6.9	- 5.8	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C
5776075302	-	-	-	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C
5776085302	-	-	-	-	-	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C
R412004093 5776070360	2.1 5.8	-	-	-	-	1200	1200	1200	3 / 10	-10°C / +50°C -25°C / +50°C	-10°C / +50°C -25°C / +50°C
5776085270	-	4.3	3.3	6.8	5.7	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C
5776970220	2.1	-	-	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C
5776980220	2.1	-	-	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C

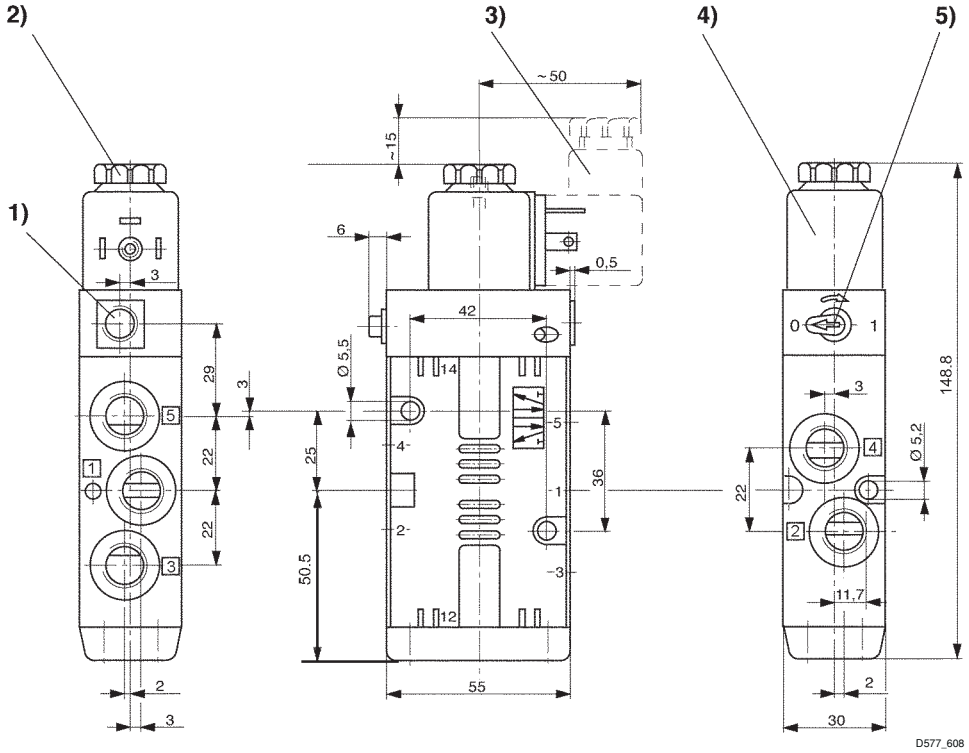
5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid

Part No.	Switch-on time	Switch-off time	Compatibility index	Protection class	Weight	Note
	tF	tE				
	[ms]	[ms]			[kg]	
5776070220 **5776075280**	25	45	13, 14	IP65	0.57	2)
5776080220 **5776085280**	25	45	13, 14	IP65	0.57	3)
5776075302	-	-	13, 14	-	-	2); 4); 5)
5776085302	-	-	13, 14	-	-	3); 4); 5)
R412004093 5776070360	25	45	13, 14 14	IP65	0.57	2); 6) 2)
5776085270	25	45	14	IP65	0.57	3)
5776970220	25	45	14, 14	IP65	0.57	1); 2)
5776980220	25	45	14	IP65	0.57	2)

MO = Manual override
1) Nickel-plated armature guide (only suitable for DC variant), i.e. the base must not be equipped with AC coils.
2) Pilot: internal
3) Pilot: External
4) Basic valve without coil
5) ATEX optional
6) ATEX certified
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can
4) 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 ► Electr. connection: Plug, EN 175301-803, form A ► cold-resistant ► Manual override: with detent ► double solenoid ► Pilot: internal

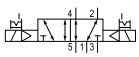
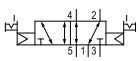
00134144

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	3 bar / 10 bar
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	-40°C / +50°C
Medium temperature min./max.	-40°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	0.75 kg
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

Technical Remarks

- 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection				Operational voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	24 V DC	AC 50 Hz	
									[W]	[VA]	
		G 1/4	G 1/4	G 1/4	M5	24 V	-	-	2.1	-	**5776840220**
						-	230 V	230 V	-	4.8	5776845280
		G 1/4	G 1/4	G 1/4	M5	-	-	-	-	-	5776845302

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

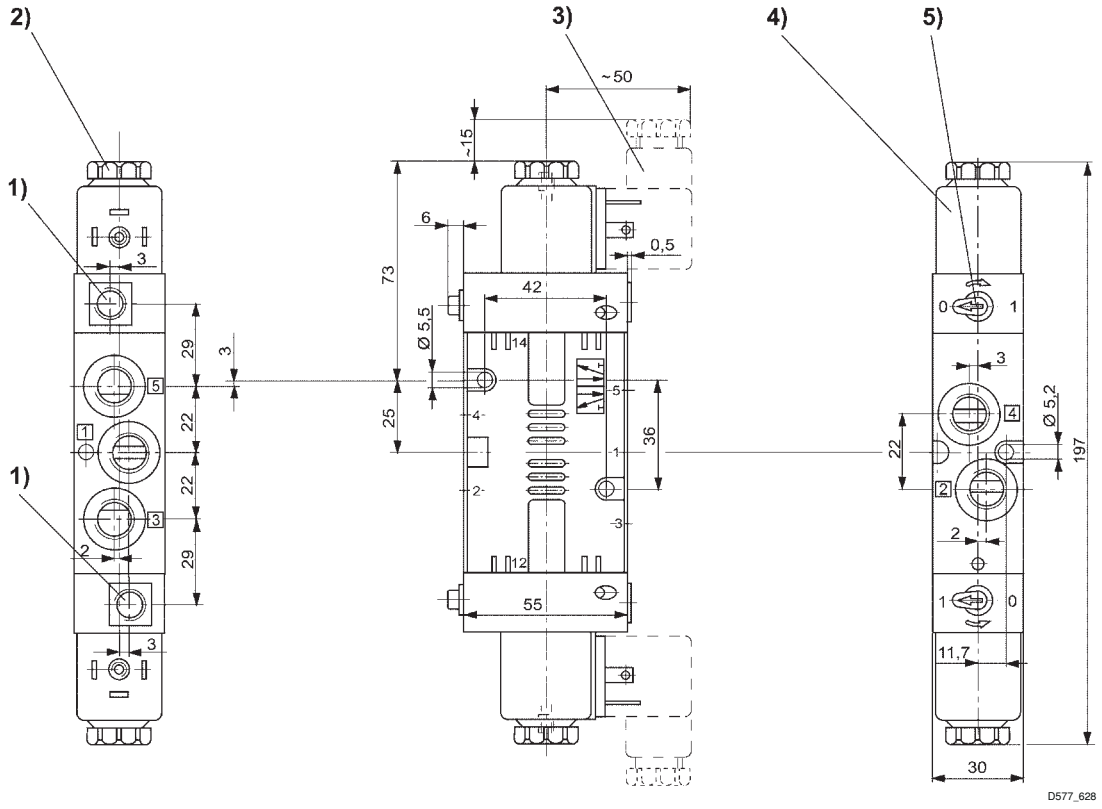
5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► cold-resistant ► Manual override: with detent ► double solenoid ► Pilot: internal

Part No.	Holding power			Flow rate value			Switch-on time	Switch-off time	Protection class	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	tF	tE		
	[VA]	[VA]	[VA]			[l/min]	[ms]	[ms]		
5776840220	-	-	-	1200	1200	1200	21	21	IP65	-
5776845280	4.1	6.9	5.8							
5776845302	-	-	-	1200	1200	1200	-	-	-	1); 2)

MO = Manual override
1) Basic valve without coil
2) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) 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 ► Electr. connection: Plug, EN 175301-803, form A ► cold-resistant ► Manual override: with detent ► single solenoid ► Pilot: internal

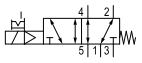
00134143

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	3.5 bar / 10 bar
Control pressure min./max.	3.5 bar / 10 bar
Ambient temperature min./max.	-40°C / +50°C
Medium temperature min./max.	-40°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Switch-on time	25 ms
Switch-off time	45 ms
Weight	0.57 kg
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

Technical Remarks

- 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, see chapter „Technical information“.

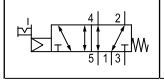
Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection				Operational voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	24 V DC	AC 50 Hz	
									[W]	[VA]	
		G 1/4	G 1/4	G 1/4	M5	24 V	-	-	2.1	-	**5776960220**
						-	230 V	230 V	-	4.8	5776965280

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

5/2-directional valve, Series CD07

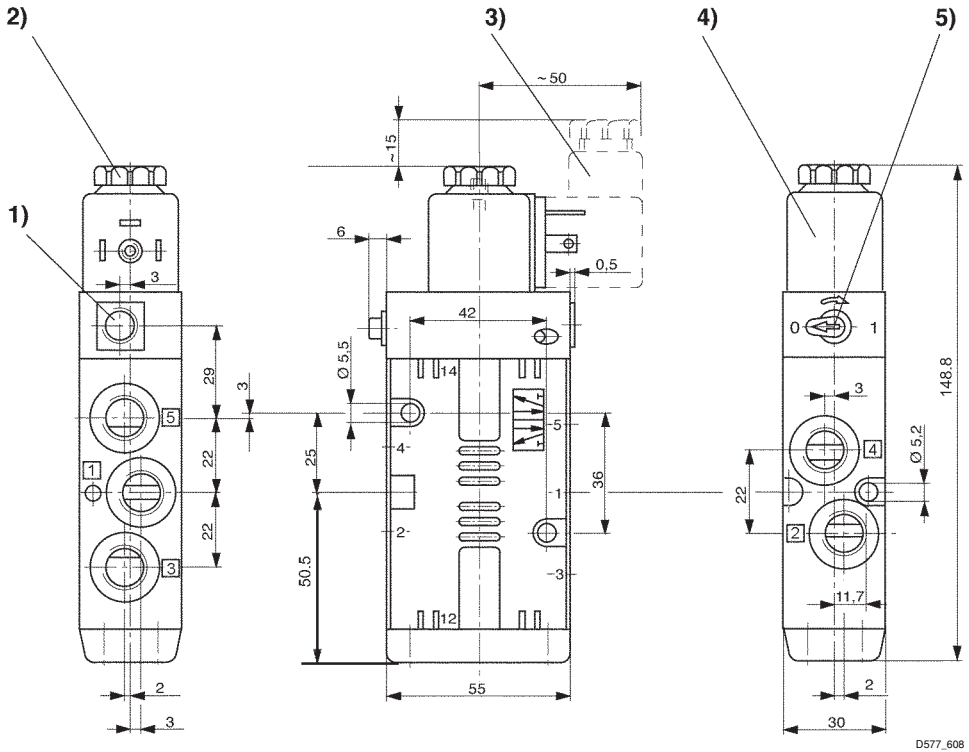
► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► cold-resistant ► Manual override: with detent ► single solenoid ► Pilot: internal

	MO	Compressed air connection				Operational voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	24 V DC	AC 50 Hz	
									[W]	[VA]	
		G 1/4	G 1/4	G 1/4	M5	-	-	-	-	-	5776965302

Part No.	Holding power	Switch-on power	Switch-on power	Flow rate value			Protection class	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3		
	[VA]	[VA]	[VA]	[l/min]				
5776960220	-	-	-	1200	1200	1200	IP65	-
5776965280	4.1	6.9	5.8					
5776965302	-	-	-	1200	1200	1200	-	1); 2)

MO = Manual override
1) Basic valve without coil
2) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) 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 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

00134144

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	See table below
Control pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

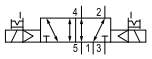
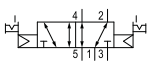
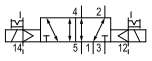
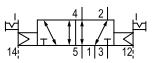
Technical Remarks

- 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, see chapter „Technical information“.
- 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.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
24 V	-	-	-20% / +30%	-	-	4.5	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	6.9	5.6	4.3	3.2

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	**5776270220**
							24 V	-	-	**5776272220**
							-	110 V	110 V	**5776275270**
							-	230 V	230 V	**5776275280**
							-	24 V	24 V	5776275220
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	**5776275302**
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	**5776280220**
							-	110 V	110 V	5776285270
							-	230 V	230 V	5776285280
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	**5776285302**

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3		tF
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[ms]
5776270220	2.1	-	-	-	-					
5776272220	4.5	-	-	-	-					
5776275270	-	4.3	3.3	6.8	5.7	1200	1200	1200	2 / 10	21
5776275280	-	4.8	4.1	6.9	5.8					
5776275220	-	4.3	3.2	6.9	5.6					
5776275302	-	-	-	-	-	1200	1200	1200	2 / 10	-
5776280220	2.1	-	-	-	-					
5776285270	-	4.3	3.3	6.8	5.7	1200	1200	1200	-0.95 / 10	21
5776285280	-	4.8	4.1	6.9	5.8					
5776285302	-	-	-	-	-	1200	1200	1200	-0.95 / 10	-

Part No.	Switch-off time	Protection class	Weight	Note
	tE			
	[ms]		[kg]	
5776270220				1)
5776272220				1); 4)
5776275270	21	IP65	0.75	1)
5776275280				1)
5776275220				1)
5776275302	-	-	-	1); 3); 5)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) Higher power consumption
5) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

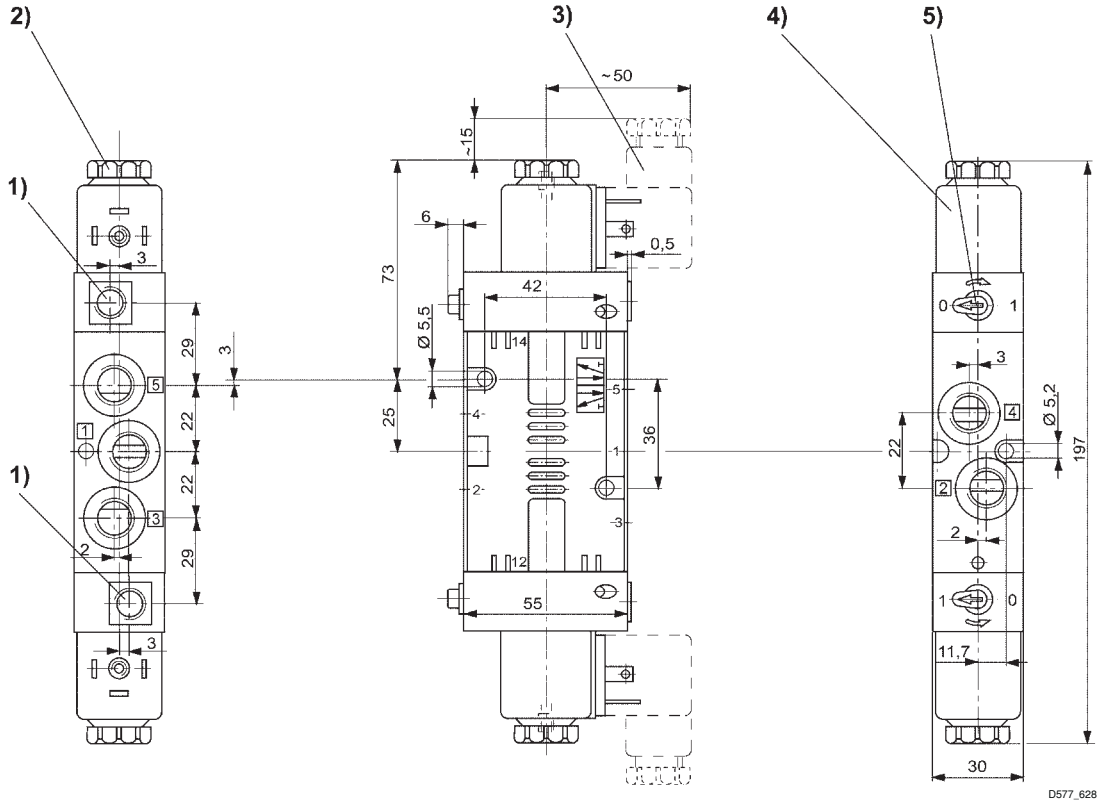
5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

Part No.	Switch-off time	Protection class	Weight	Note
	tE			
	[ms]		[kg]	
5776280220 5776285270 5776285280	21	IP65	0.75	2)
5776285302	-	-	-	2); 3); 5)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) Higher power consumption
5) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) coil can be plugged at 45° intervals 5) manual override

5/2-directional valve, Series CD07

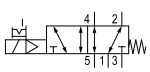
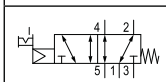
► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.
- 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.

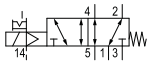
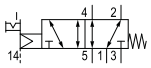
Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		M14x1,5	M14x1,5	M14x1,5	-	M5	24 V	-	-	**5776020220**
							-	110 V	110 V	5776025270
							-	230 V	230 V	**5776025280**
		M14x1,5	M14x1,5	M14x1,5	-	M5	-	-	-	**5776025302**

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	24 V	-	-	**5776030220**
							-	230 V	230 V	5776035280
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	-	-	-	5776035302

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3		tF
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[ms]
5776020220	2.1	-	-	-	-					
5776025270	-	4.3	3.3	6.8	5.7	1200	1200	1200	3 / 10	25
5776025280	-	4.8	4.1	6.9	5.8					
5776025302	-	-	-	-	-	1200	1200	1200	3 / 10	-
5776030220	2.1	-	-	-	-	1200	1200	1200	-0.95 / 10	25
5776035280	-	4.8	4.1	6.9	5.8					
5776035302	-	-	-	-	-	1200	1200	1200	-0.95 / 10	-

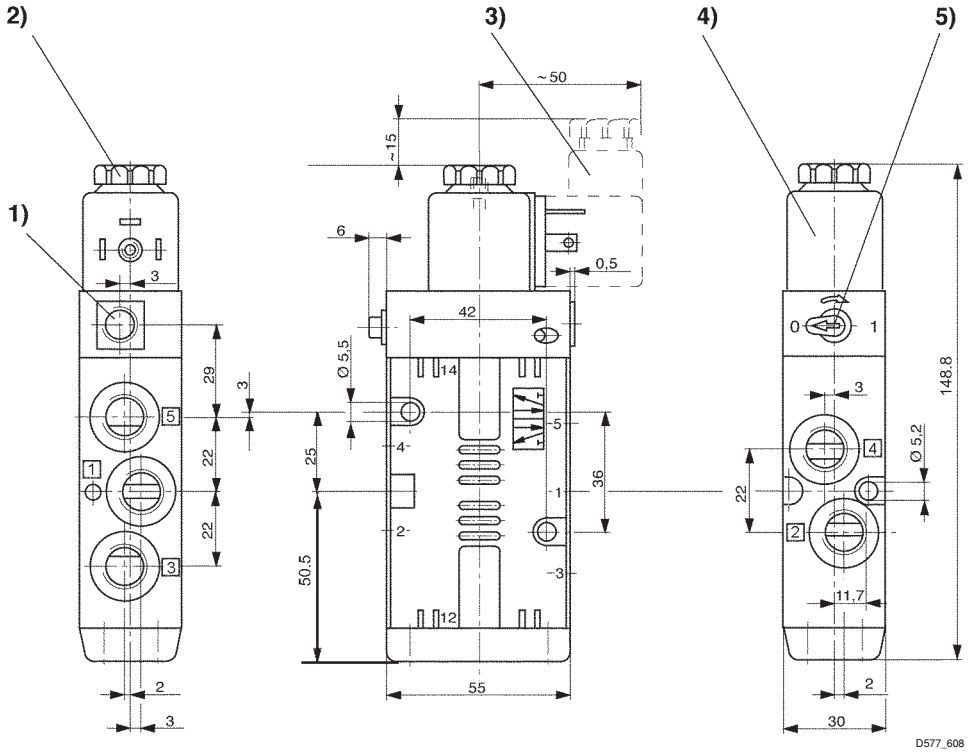
Part No.	Switch-off time	Protection class	Weight	Note
	tE			
	[ms]		[kg]	
5776020220				
5776025270	45	IP65	0.57	1)
5776025280				
5776025302	-	-	-	1); 3); 4)
5776030220	45	IP65	0.57	2)
5776035280				
5776035302	-	-	-	2); 3); 4)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) 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: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

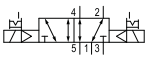
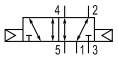
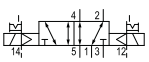

00134144

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	See table below
Control pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	0.75 kg
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.
- 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.

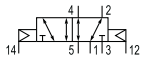
Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		M14x1,5	M14x1,5	M14x1,5	-	M5	24 V	-	-	**5776220220**
							-	230 V	230 V	5776225280
		M14x1,5	M14x1,5	M14x1,5	-	M5	-	-	-	5776225302
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	24 V	-	-	5776230220
							-	230 V	230 V	5776235280

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	-	-	-	5776235302

Part No.	Power consumption	Holding power	Holding power			Flow rate value			Working pressure min./ max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3		tF
	[W]	[VA]	[VA]	[VA]	[VA]			[l/min]	[bar]	[ms]
5776220220	2.1	-	-	-	-	1200	1200	1200	2 / 10	21
5776225280	-	4.8	4.1	6.9	5.8					
5776225302	-	-	-	-	-	1200	1200	1200	2 / 10	-
5776230220	2.1	-	-	-	-	1200	1200	1200	-0.95 / 10	21
5776235280	-	4.8	4.1	6.9	5.8					
5776235302	-	-	-	-	-	1200	1200	1200	-0.95 / 10	-

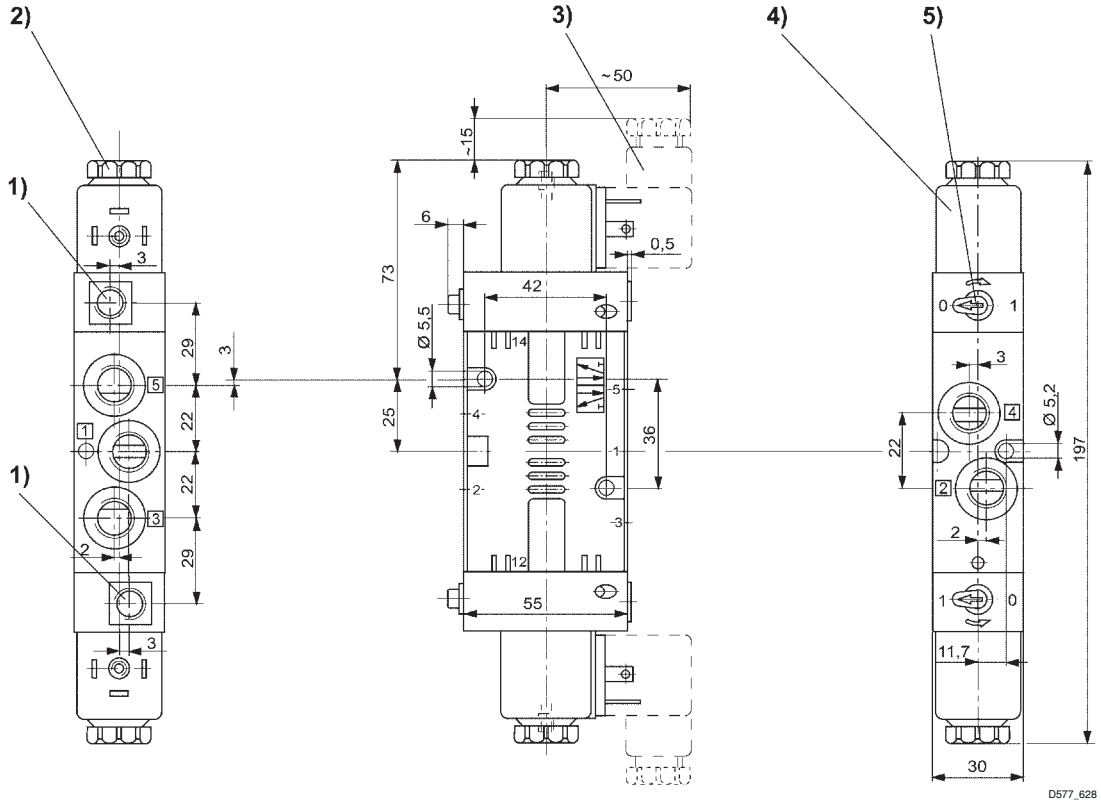
Part No.	Switch-off time	Protection class	Note
	tE		
	[ms]		
5776220220	21	IP65	1)
5776225280			
5776225302	-	-	1); 3); 4)
5776230220	21	IP65	2)
5776235280			
5776235302	-	-	2); 3); 4)

1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar
MO = Manual override

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) coil can be plugged at 45° intervals 5) manual override

5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

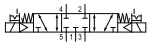
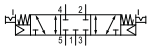

00134145

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 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 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced

Technical Remarks

- 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, see chapter „Technical information“.
- 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.

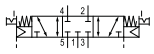
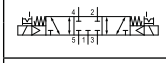
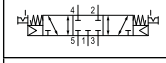
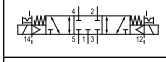
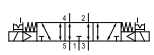
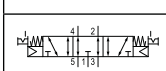
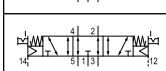
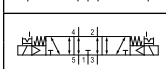
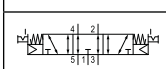
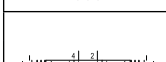
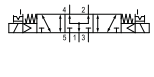
Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	6.9	5.6	4.3	3.2

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	**5777770220**
							-	110 V	110 V	5777775270
							-	230 V	230 V	**5777775280**
							-	24 V	24 V	5777775220
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	**5777775302**

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

	MO	Compressed air connection					Operational voltage			Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	**5777955302**
		G 1/4	G 1/4	G 1/4	-	M5	24 V -	- 230 V	- 230 V	**5777720220** 5777725280
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	5777725302
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V -	- 230 V	- 230 V	**R412003424** 5777955280
		G 1/4	G 1/4	G 1/4	-	M5	24 V - -	- 110 V 230 V	- 110 V 230 V	**5777760220** 5777765270 5777765280
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	**5777765302**
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	**5777945302**
		G 1/4	G 1/4	G 1/4	-	M5	24 V -	- 230 V	- 230 V	**5777710220** 5777715280
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	5777715302
		G 1/4	G 1/4	G 1/4	-	M5	24 V - - 24 V	- 230 V - -	- 230 V - -	5777750220 5777755280 5777755302 5777700220
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	5777705302

Part No.	Power consumption	Holding power	Holding power			Flow rate value		Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn 1►2	Qn 2►3				tF
	[W]	[VA]	[VA]	[VA]	[VA]	[l/min]		[bar]	[°C]	[°C]	[ms]
5777770220	2.1	-	-	-	-	1070	950	3 / 10	+0°C / +50°C	+0°C / +50°C	25
5777775270	-	4.3	3.3	6.8	5.7						
5777775280	-	4.8	4.1	6.9	5.8						
5777775220	-	4.3	3.2	6.9	5.6						
5777775302	-	-	-	-	-	1070	950	3 / 10	+0°C / +50°C	+0°C / +50°C	-
5777955302	-	-	-	-	-	1070	950	-0.95 / 10	+0°C / +50°C	+0°C / +50°C	-
5777720220	2.1	-	-	-	-	1070	950	3 / 10	-25°C / +50°C	-25°C / +50°C	25
5777725280	-	4.8	4.1	6.9	5.8						
5777725302	-	-	-	-	-	1070	950	3 / 10	-25°C / +50°C	-25°C / +50°C	-

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

Part No.	Power consumption	Holding power	Holding power			Flow rate value		Working pressure min./ max.	Ambient temperature min./ max.	Medium temperature min./ max.	Switch-on time
	24 V DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn 1►2	Qn 2►3				tF
	[W]	[VA]	[VA]	[VA]	[VA]		[l/min]	[bar]	[°C]	[°C]	[ms]
R412003424	2.1	-	-	-	-	1070	950	-0.95 / 10	+0°C / +50°C	+0°C / +50°C	-
5777955280	-	4.8	4.1	6.9	5.8						
5777760220	2.1	-	-	-	-	1030	880	3 / 10	+0°C / +50°C	+0°C / +50°C	25
5777765270	-	4.3	3.3	6.8	5.7						
5777765280	-	4.8	4.1	6.9	5.8						
5777765302	-	-	-	-	-	1030	880	3 / 10	+0°C / +50°C	+0°C / +50°C	-
5777945302	-	-	-	-	-	1030	880	-0.95 / 10	+0°C / +50°C	+0°C / +50°C	-
5777710220	2.1	-	-	-	-	1030	880	3 / 10	-25°C / +50°C	-25°C / +50°C	25
5777715280	-	4.8	4.1	6.9	5.8						
5777715302	-	-	-	-	-	1030	880	3 / 10	-25°C / +50°C	-25°C / +50°C	-
5777750220	2.1	-	-	-	-	960	900	3 / 10	+0°C / +50°C	+0°C / +50°C	25
5777755280	-	4.8	4.1	6.9	5.8				+0°C / +50°C	+0°C / +50°C	25
5777755302	-	-	-	-	-				+0°C / +50°C	+0°C / +50°C	-
5777700220	2.1	-	-	-	-				-25°C / +50°C	-25°C / +50°C	25
5777705302	-	-	-	-	-	960	900	3 / 10	-25°C / +50°C	-25°C / +50°C	-

Part No.	Switch-off time	Protection class	Weight	Fig.	Note
	tE				
	[ms]		[kg]		
5777770220	55	IP65	0.72	Fig. 1	1); 4)
5777775270					
5777775280					
5777775220					
5777775302	-	-	-	Fig. 2	1); 3); 4); 6)
5777955302	-	-	-	Fig. 1	2); 3); 4); 6)
5777720220	55	IP65	0.72	Fig. 2	1); 5)
5777725280					
5777725302	-	-	-	Fig. 2	1); 3); 5); 6)
R412003424	-	IP65	0.72	Fig. 1	2); 4)
5777955280					
5777760220	55	IP65	0.72	Fig. 1	1); 4)
5777765270					
5777765280					
5777765302	-	-	-	Fig. 1	1); 3); 4); 6)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) Seals: Acrylonitrile Butadiene Rubber
5) Seals: Polyurethane
6) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

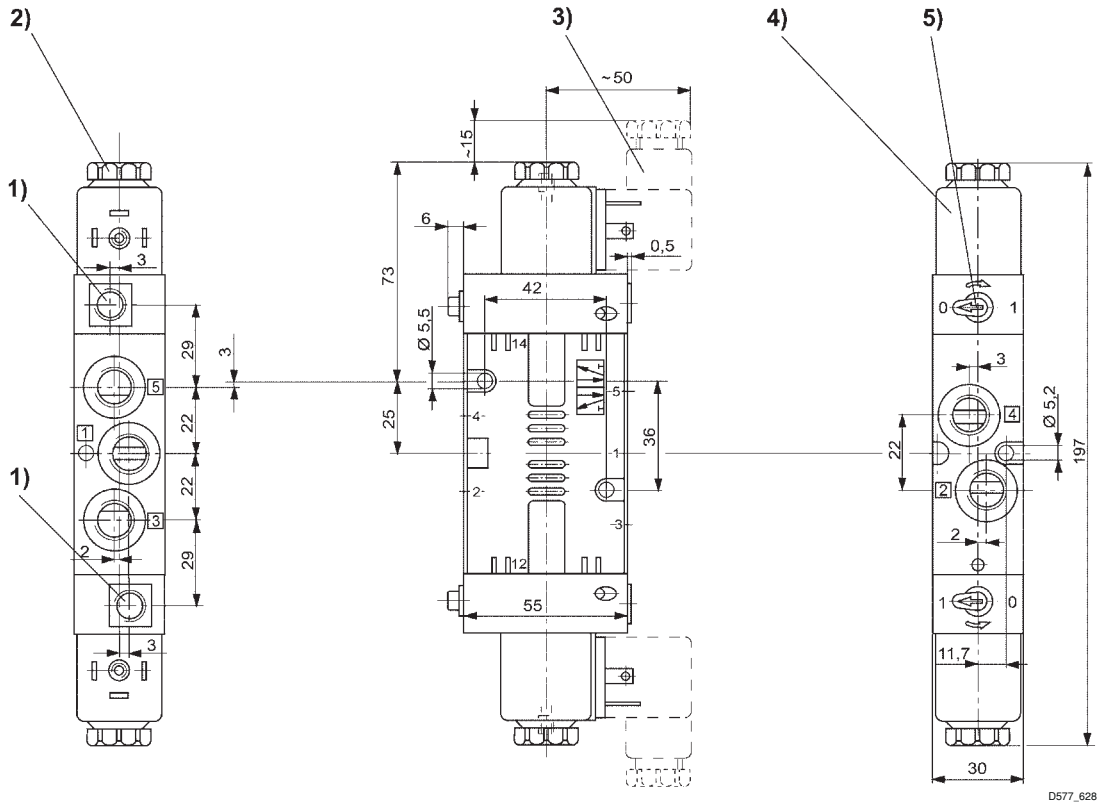
5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

Part No.	Switch-off time	Protection class	Weight	Fig.	Note
	tE				
	[ms]		[kg]		
5777945302	-	-	-	Fig. 1	2); 3); 4); 6)
5777710220 5777715280	55	IP65	0.72	Fig. 2	1); 5)
5777715302	-	-	-	Fig. 2	1); 3); 5); 6)
5777750220	55	IP65	0.72	Fig. 1	1); 4)
5777755280	55	IP65	0.72	Fig. 1	1); 4)
5777755302	-	-	-	Fig. 1	1); 3); 4); 6)
5777700220	55	IP65	0.72	Fig. 2	1); 4)
5777705302	-	-	-	Fig. 2	1); 3); 5); 6)

MO = Manual override
1) Pilot: internal
2) Pilot: External
3) Basic valve without coil
4) Seals: Acrylonitrile Butadiene Rubber
5) Seals: Polyurethane
6) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar

Fig. 1

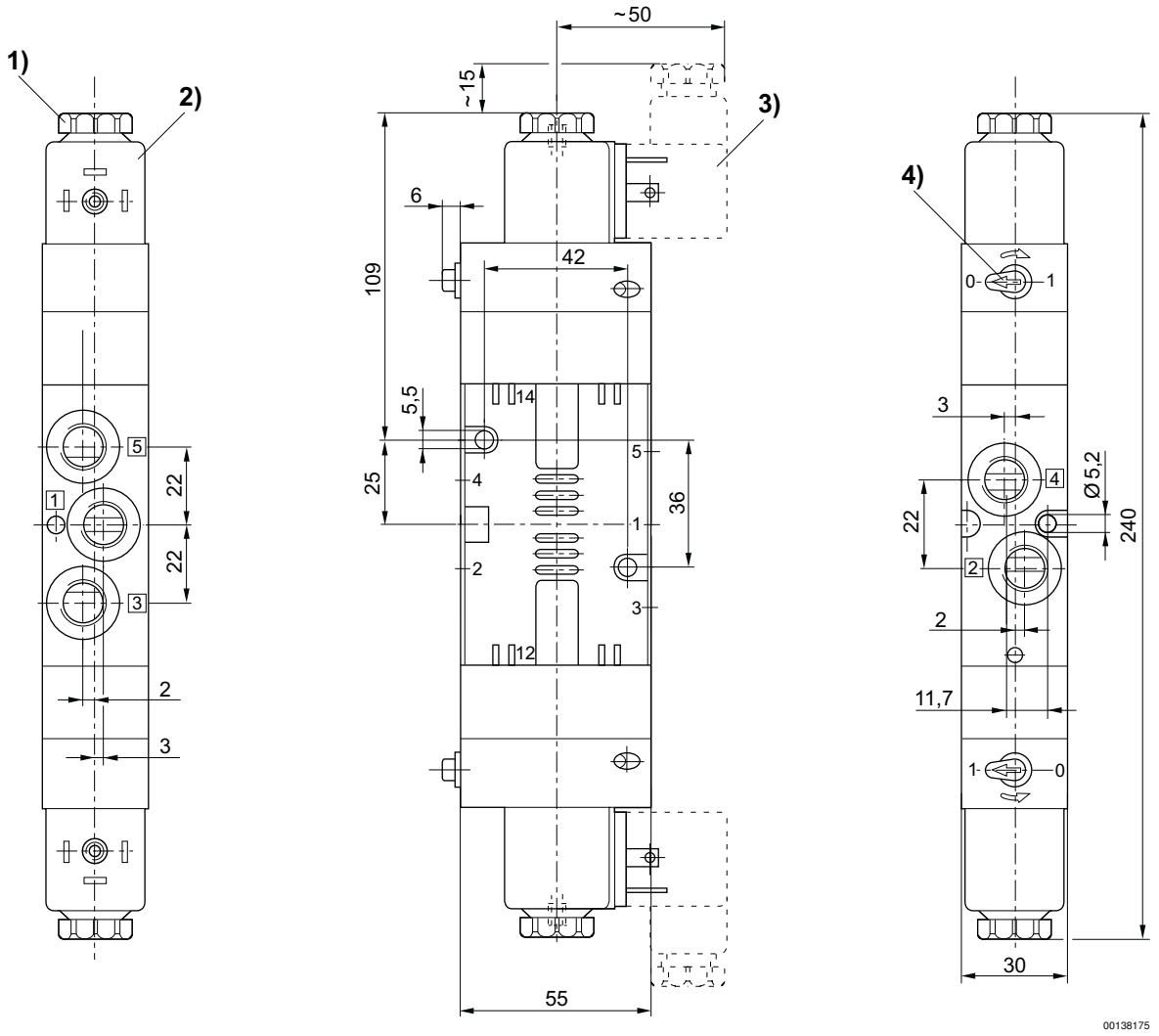


1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can be plugged at 90° intervals
4) coil can be plugged at 45° intervals 5) manual override

5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid

Fig. 2



1) after removal of cap M 5 internal thread 2) coil can be plugged at 45° intervals 3) el. connector
4) manual override

5/3-directional valve, Series CD07

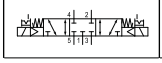
► Qn = 900 l/min ► Pilot valve width: 30 mm ► closed center ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal

00134145

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip, PRS strip
Working pressure min./max.	3.5 bar / 10 bar
Control pressure min./max.	3.5 bar / 10 bar
Ambient temperature min./max.	-30°C / +70°C
Medium temperature min./max.	-30°C / +70°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	IP65
	Protected against polarity reversal
Compatibility index	14
Duty cycle	100 %
Switch-on time	25 ms
Switch-off time	55 ms
Weight	0.72 kg
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

Technical Remarks
■ 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, see chapter „Technical information“.

Operational voltage	Voltage tolerance	Power consumption
DC	DC	DC
		W
110 V	-30% / +30%	6

	MO	Compressed air connection				Operational voltage	Power consumption	Flow rate value		Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	24 V DC	Qn	Qn 1►2	
							[W]	[l/min]		
					M5	110 V	6	900	900	5776920270

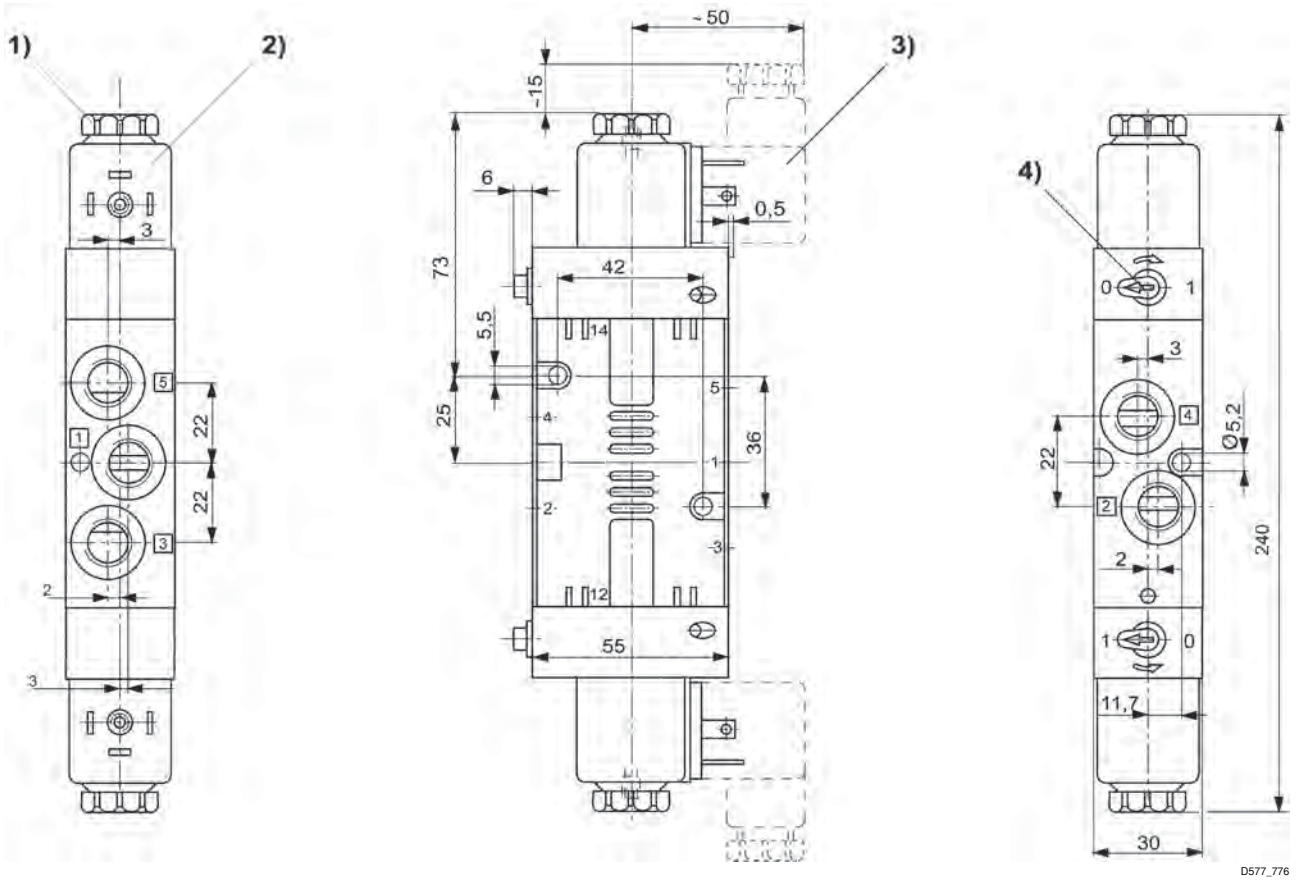
5/3-directional valve, Series CD07

► Qn = 900 l/min ► Pilot valve width: 30 mm ► closed center ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal

Part No.	Flow rate value
	Qn 2►3
	[l/min]
5776920270	900

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

Dimensions



1) after removal of cap M 5 internal thread 2) coil can be plugged at 45° intervals 3) el. connector
4) manual override

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid ► Pilot: internal

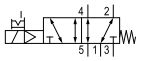
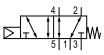
00134146

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	3 bar / 10 bar
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Polyamide, fiber-glass reinforced; Die cast zinc
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.
- 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.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection				Operational voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	24 V DC	AC 50 Hz	
									[W]	[VA]	
		G 1/4	Namur base plate	G 1/4	M5	24 V	-	-	2.1	-	**5776600220**
						-	230 V	230 V	-	4.8	**5776605280**
		G 1/4	Namur base plate	G 1/4	M5	-	-	-	-	-	**5776605302**

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

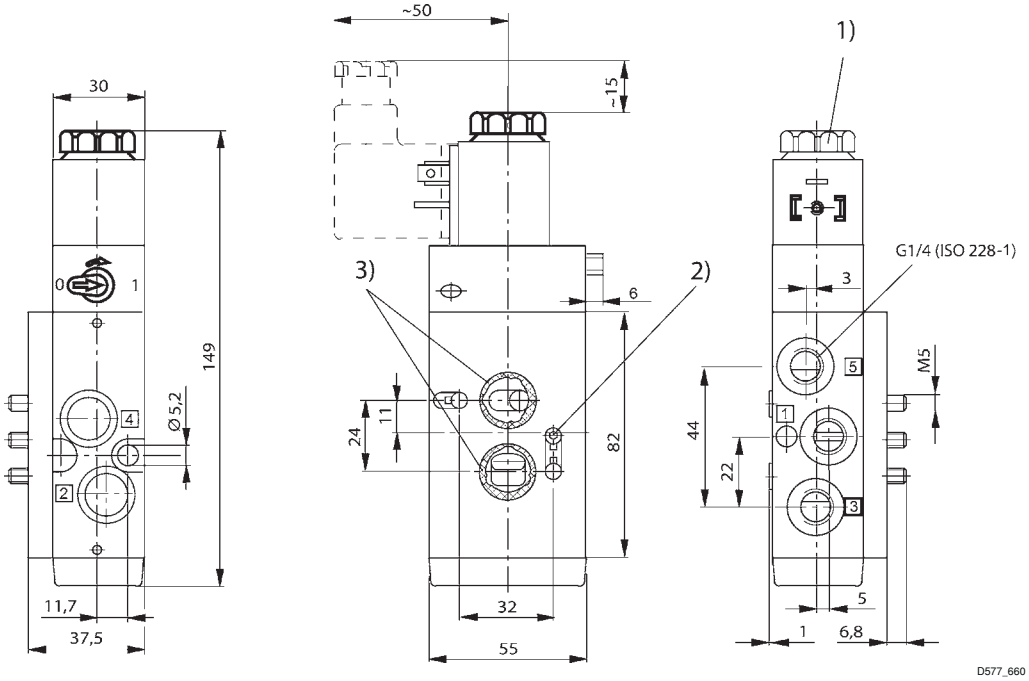
5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► single solenoid ► Pilot: internal

Part No.	Holding power			Flow rate value			Switch-on time	Switch-off time	Protection class	Weight	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	tF	tE			
	[VA]	[VA]	[VA]	[l/min]			[ms]	[ms]		[kg]	
5776600220	-	-	-	1200	1200	1200	25	45	IP65	0.6	-
5776605280	4.1	6.9	5.8								
5776605302	-	-	-	1200	1200	1200	-	-	-	-	1); 2)

1) Basic valve without coil
2) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar
MO = Manual override

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal

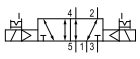
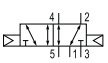
00134147

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	2 bar / 10 bar
Control pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-25°C / +50°C
Medium temperature min./max.	-25°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1
	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protection With connection	See table below
	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1

	MO	Compressed air connection				Operational voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	24 V DC	AC 50 Hz	
									[W]	[VA]	
		G 1/4	Namur base plate	G 1/4	M5	24 V	-	-	2.1	-	**5776620220**
						-	230 V	230 V	-	4.8	5776625280
		G 1/4	Namur base plate	G 1/4	M5	-	-	-	-	-	5776625302

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

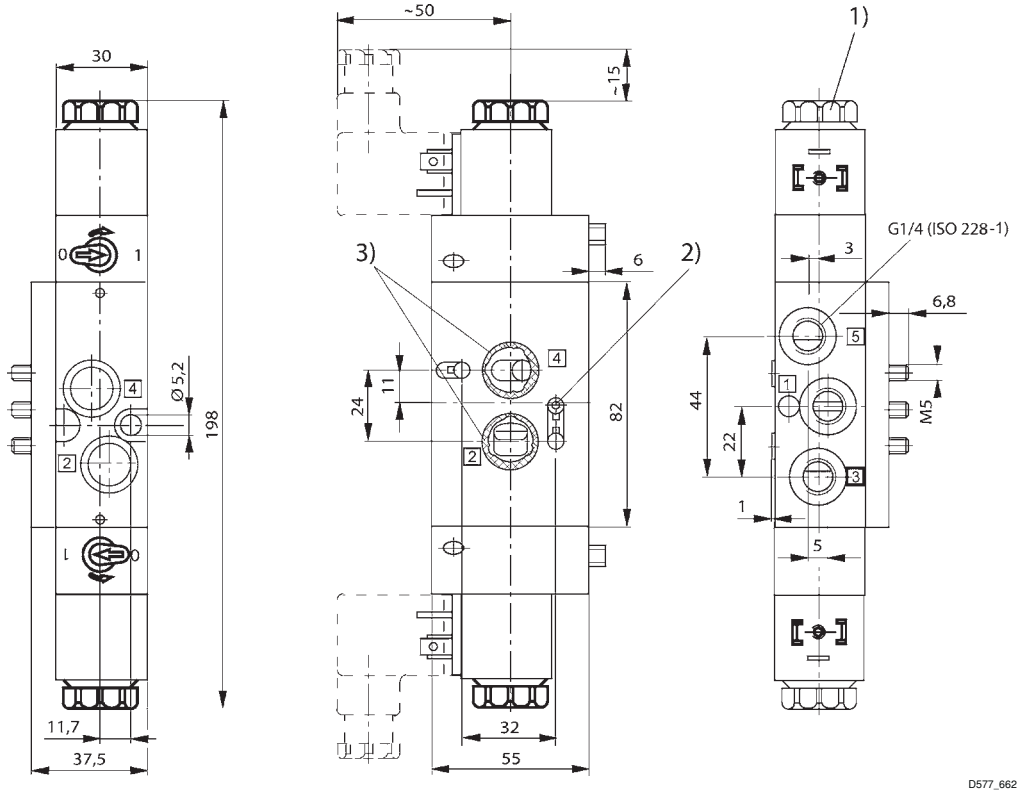
5/2-directional valve, Series CD07

► Qn = 1200 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal

Part No.	Holding power			Flow rate value			Switch-on time	Switch-off time	Protection class	Weight	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	tF	tE			
	[VA]	[VA]	[VA]	[l/min]			[ms]	[ms]		[kg]	
5776620220	-	-	-	1200	1200	1200	21	21	IP65	0.8	-
5776625280	4.1	6.9	5.8								
5776625302	-	-	-	1200	1200	1200	-	-	-	-	1); 2)

1) Basic valve without coil
2) ATEX optional
Nominal flow Qn at 6 bar and Δp = 1 bar
MO = Manual override

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

5/3-directional valve, Series CD07

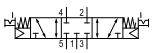
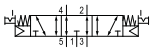
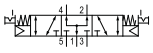
► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal ► ATEX optional

00134418

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	+0 °C / +50 °C
Medium temperature min./max.	+0 °C / +50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006 Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.

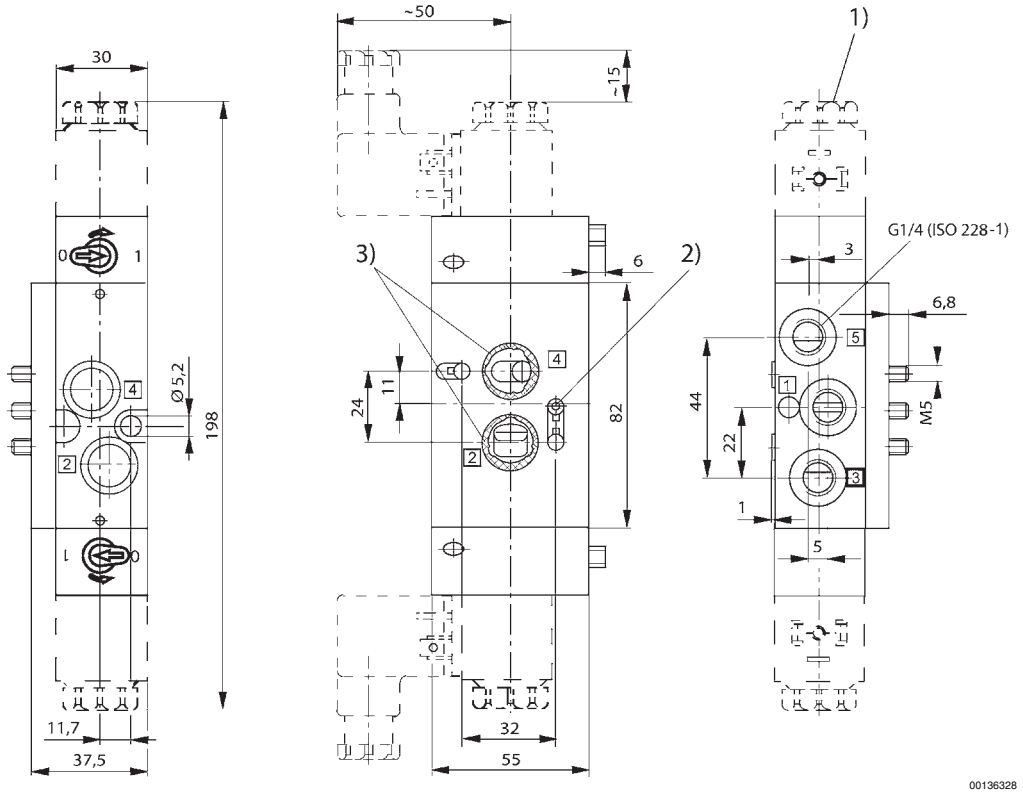
	MO	Compressed air connection				Flow rate value		Part No.
		Input	Output	Exhaust	Pilot control exhaust	Qn 1►2	Qn 2►3	
						[l/min]		
		G 1/4	Namur base plate	G 1/4	M5	1070	950	R412011157
		G 1/4	Namur base plate	G 1/4	M5	1030	880	R412011158
		G 1/4	Namur base plate	G 1/4	M5	960	900	R412011159

Basic valve without coil
Nominal flow Qn at 6 bar and Δp = 1 bar
MO = Manual override

5/3-directional valve, Series CD07

► Qn = 880 - 1070 l/min ► Pilot valve width: 30 mm ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent ► double solenoid ► Pilot: internal ► ATEX optional

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

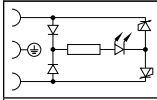
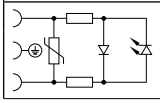
Series CD07
Accessories

Electrical connector, Series CN1
► 18 mm ► ISO 4400, form A ► Electrical connector, form A

00110264_a

Ambient temperature min./max.	-40°C / +90°C
Protection class	IP65
mounting screw tightening torque	0.4 Nm

Technical Remarks
■ The specified protection class is only valid in assembled and tested state.

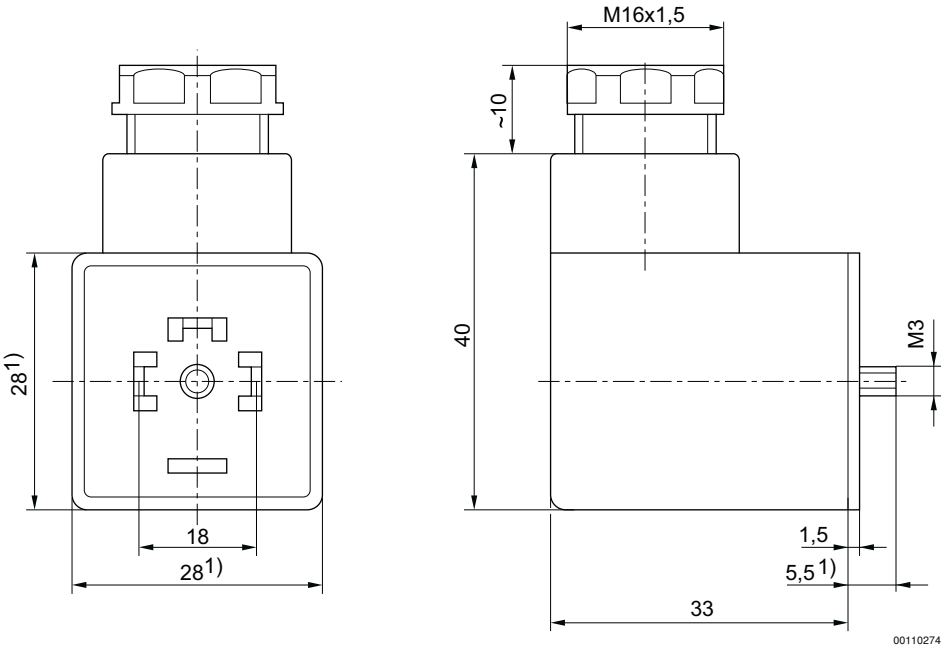
	Cable fitting	Operational voltage		Contact assign-ment	Cable exit	Protective circuit	suitable cable-Ø min./ max	Part No.
		AC	DC					
		[V]	[V]				[mm]	
	M16x1,5	24	24	2+E	angled 90°	Z-diode	6 / 8	**1834484101**
	M16x1,5	110 230	-	2+E	angled 90°	Varistor	6 / 8	**1834484102** **1834484103**

Part No.	number of plug options 1	Status display	LED status display	Housing color	Weight	Note
					[kg]	
1834484101	4 positions each 90°	1 LED	Yellow	Transparent	0.03	3); 4)
1834484102 **1834484103**	4 positions each 90°	2 LED	RedRed	Transparent	0.03	2); 5); 5) 2); 4)

1) electrical connector with status display (2 LED) for pressure sensor
2) Profile seal
3) Flat gasket
4) Seal: Silicone caoutchouc
5) Seal: caoutchouc/butadiene caoutchouc

Series CD07
Accessories

Dimensions



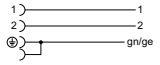
1) Max.

Connector with cable, Series CN1
► ISO 4400, form A ► with cable ► 18 mm

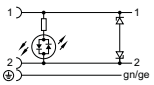
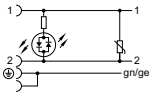
Ambient temperature min./max.	-20°C / +80°C
Protection class	IP67
Tightening torque for mounting screws	0.4 Nm

Technical Remarks

- The specified protection class is only valid in assembled and tested state.

	Operational voltage max.		Protective circuit	Contact assignment	LED status display	Wire cross-section	Cable length L	Part No.
	[V AC]	[V DC]				[mm²]	[m]	
	230	230	-	2+E	-	0.75	3	**1834484160**

Series CD07
Accessories

	Operational voltage max.		Protective circuit	Contact assignment	LED status display	Wire cross-section	Cable length L	Part No.
	[V AC]	[V DC]				[mm²]	[m]	
	24	24	Z-diode	2+E	Yellow	0.75	3	**1834484162**
							5	**1834484163**
	230	230	Varistor	2+E	Red	0.75	3	**1834484164**
							5	**1834484165**

Part No.	Weight	Fig.	Note
	[kg]		
1834484160	0.2	Fig. 1	1)
1834484162	0.2	Fig. 2	-
1834484163	0.31		
1834484164	0.2	Fig. 2	-
1834484165	0.31		
1) Scope of delivery incl. flat gasket			

Fig. 1

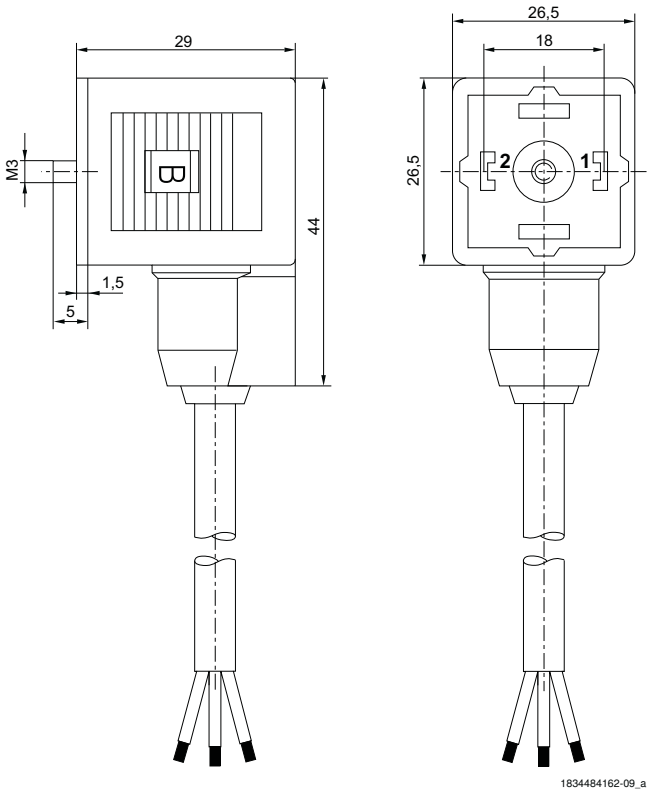
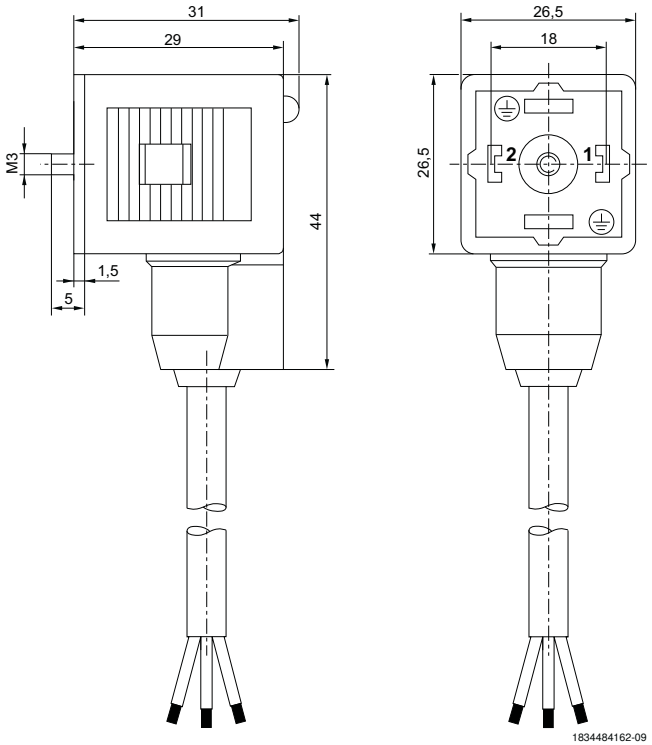


Fig. 2



Series CD07
Accessories

Coil, Series CO1
► with electrical connector ► Coil width 30 mm ► ATEX certified

00138109

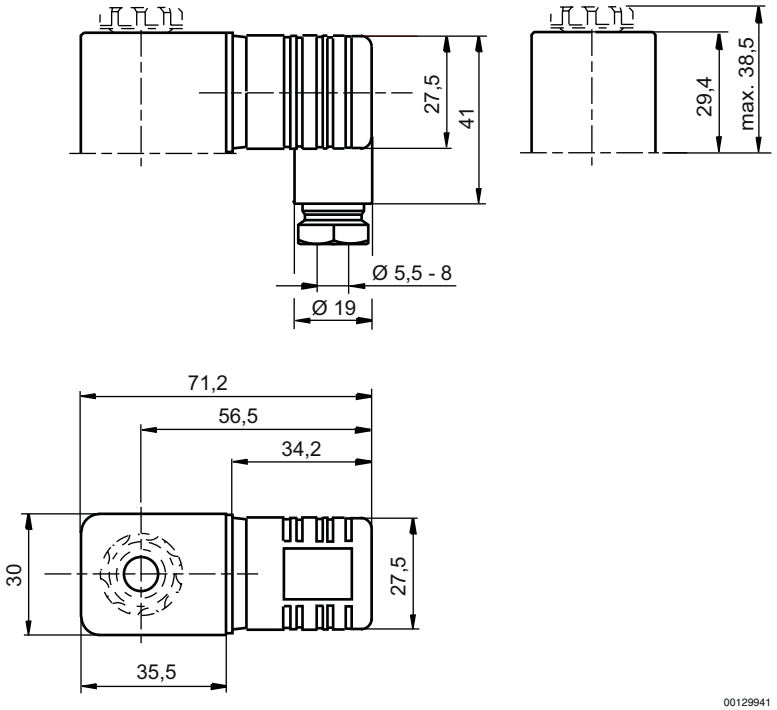
ATEX	II 3G Ex nAc IIB T4 II 3D Ex tc IIIB T125°C IP65X
Ambient temperature min./max.	-10°C / +50°C
Protection class	IP65
Duty cycle ED	100 %
Compatibility index CI	13

Operational voltage			Voltage tolerance			Power consumption	Switch-on power	Holding power
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 50 Hz
						W	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	4	4
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	4	4
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	4.1	4.1

	Operational voltage			Weight	Part No.
	AC 50 Hz	DC	AC 60 Hz		
				[kg]	
	-	24 V	-	0.14	**R412000144**
	24 V	-	24 V	0.134	**R412000145**
	110 V	-	110 V	0.122	R412000146
	230 V	-	230 V	0.137	**R412000147**

Series CD07
Accessories

Dimensions



Coil, Series CO1
► Cable with connector ► Coil width 30 mm ► ATEX certified

ATEX	II 2G Ex mb IIC T4 Gb II 2D Ex mb tb IIIC T 130°C Db IP65
Ambient temperature min./max.	-20°C / +50°C
Protection class	IP65
Duty cycle ED	100 %
Compatibility index CI	14

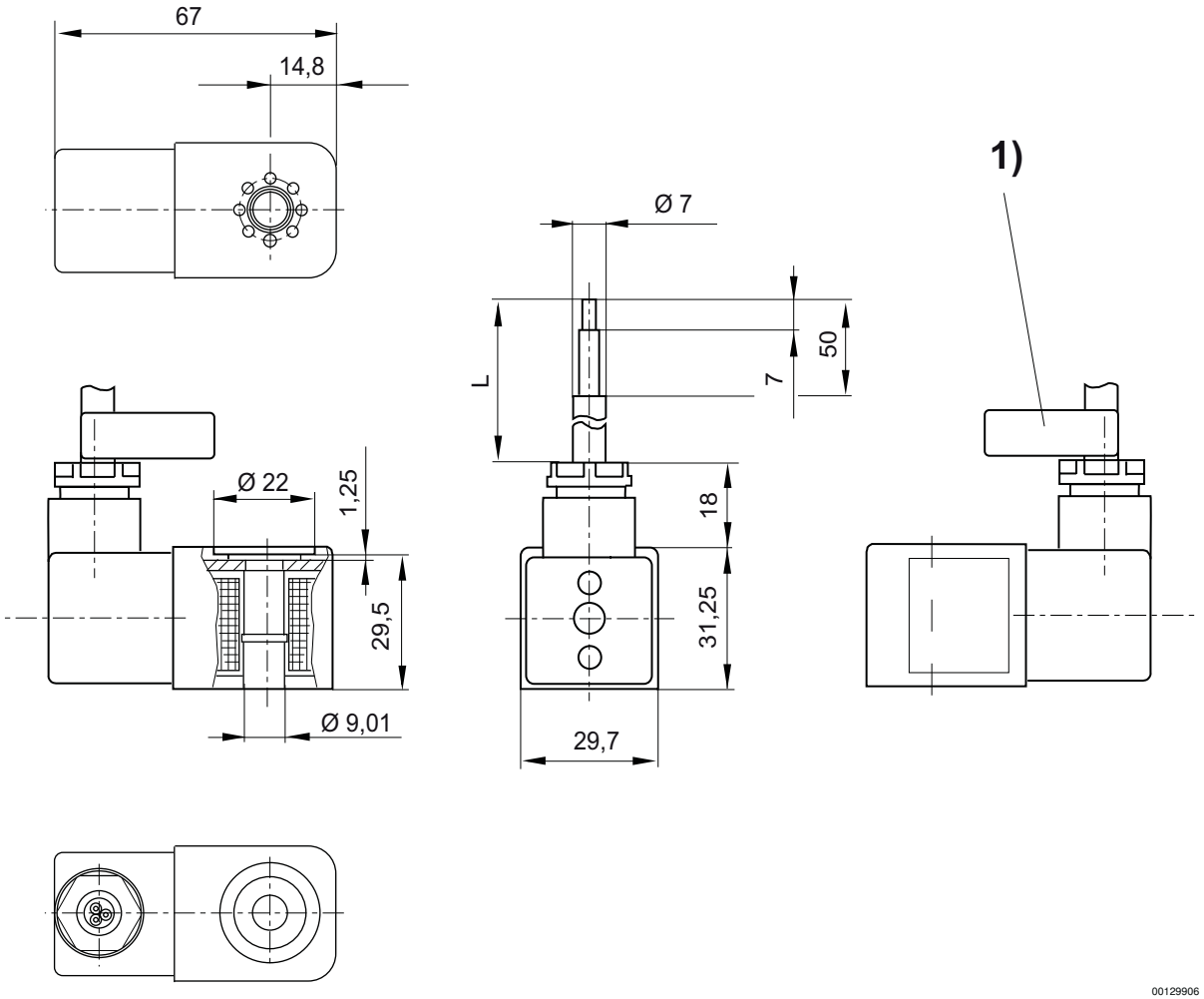
Operational voltage			Voltage tolerance		Power consumption	Switch-on power	Holding power
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
					W	VA	VA
-	230 V	230 V	-	-10% / +10%	-	3.1	3
-	110 V	110 V	-	-10% / +10%	-	3	2.9
-	24 V	24 V	-	-10% / +10%	-	3	2.9
24 V	-	-	-10% / +10%	-	3.25	-	-

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Series CD07
Accessories

	Operational voltage			Cable length L	Weight	Part No.
	AC 50 Hz	DC	AC 60 Hz			
				[m]	[kg]	
	230 V	-	230 V	3	0.38	**1827414297**
	230 V	-	230 V	10	0.91	1827414298
	110 V	-	110 V	3	0.38	1827414299
	24 V	-	24 V	3	0.38	1827414301
	24 V	-	24 V	10	0.91	1827414302
	-	24 V	-	3	0.38	**1827414303**
	-	24 V	-	10	0.91	**1827414304**
	110 V	-	110 V	10	0.38	1827414300

Dimensions



L = cable length
1) Cable ID band with serial number

Series CD07
Accessories

Coil, Series CO1
► form A ► Coil width 30 mm

00135727

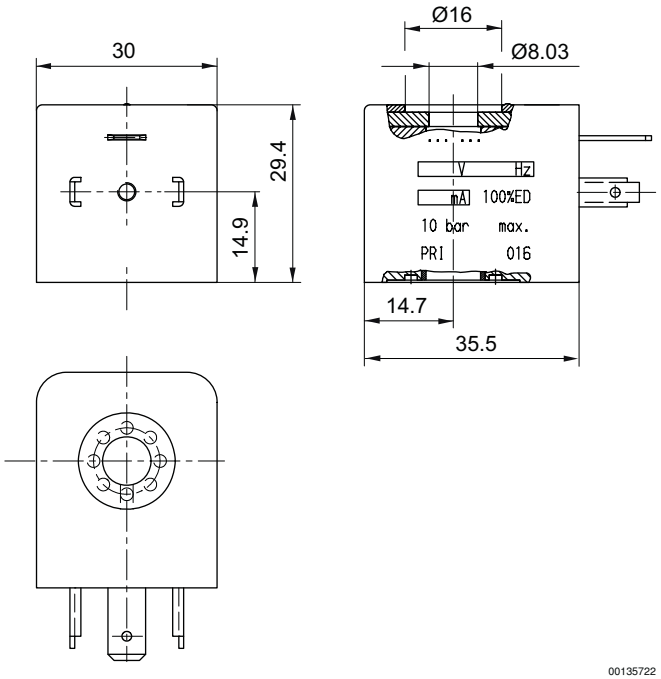
Connector standard	EN 175301-803, form A
electrical connections	Plug
Ambient temperature min./max.	-- / +50 °C
Protection class with electrical connector/plug	IP65
Duty cycle ED	100 %
Materials:	
Housing	Thermoplastic elastomer

Operational voltage			Voltage tolerance			Power consumption	Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
						W	VA	VA
24 V	-	-	-10% / +10%	-	-	2.7	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	5.2	3.9
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	4.8	3.6
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	5.6	4.2

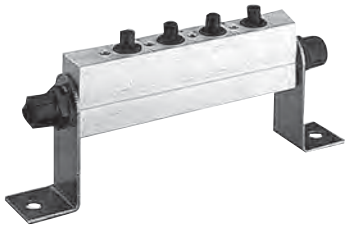
	Operational voltage			Compatibility index	Weight	Part No.
	AC 50 Hz	DC	AC 60 Hz			
					[kg]	
	-	24 V	-	14	0.096	**5420897022**
	24 V	-	24 V			**5428117022**
	110 V	-	110 V			**5428117072**
	230 V	-	230 V			**5428117082**

Series CD07
Accessories

Dimensions



P-manifold
► for series CD07, 5/2 and 5/3-directional valves


3337-121

Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Exhaust (3,5)	uncollected exhaust
Compressed air connection	according to ISO 228-1
Materials:	
Base plate	Aluminum; Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber
Mounting bracket	Steel

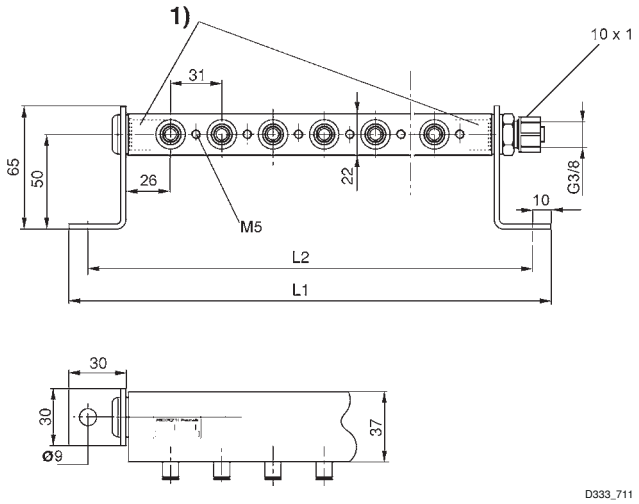
Technical Remarks

- 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, see chapter „Technical information“.

Series CD07
Accessories

Compressed air connection	Number of valve positions	Weight	Part No.
Input			
[1]		[kg]	
Ø 10x1	2	0.277	**3337120222**
	3	0.338	**3337120232**
	4	0.401	**3337120242**
	5	0.462	**3337120252**
	6	0.52	3337120262
	7	0.595	3337120272
	8	0.64	3337120282
	9	0.705	3337120292
	10	0.773	3337120302
	11	0.82	3337120312
	12	0.914	3337120322

Dimensions

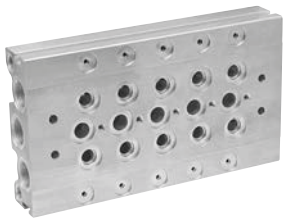


1) Only use fittings with max. length of thread engagement equal to 12 mm.

Part No.	L1	L2	Weight kg									
3337120222	152	132	0.277									
3337120232	183	163	0.338									
3337120242	214	194	0.401									
3337120252	245	225	0.462									
3337120262	276	256	0.52									
3337120272	307	287	0.595									
3337120282	338	318	0.64									
3337120292	369	349	0.705									
3337120302	400	380	0.773									
3337120312	431	411	0.82									
3337120322	462	442	0.914									

Series CD07
Accessories

R, P, S subbase, Series CD07



23316

Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Exhaust (3,5)	With directional exhaust (3/5) Ports separated
Compressed air connection	according to ISO 228-1
Materials:	
Base plate	Aluminum; Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber

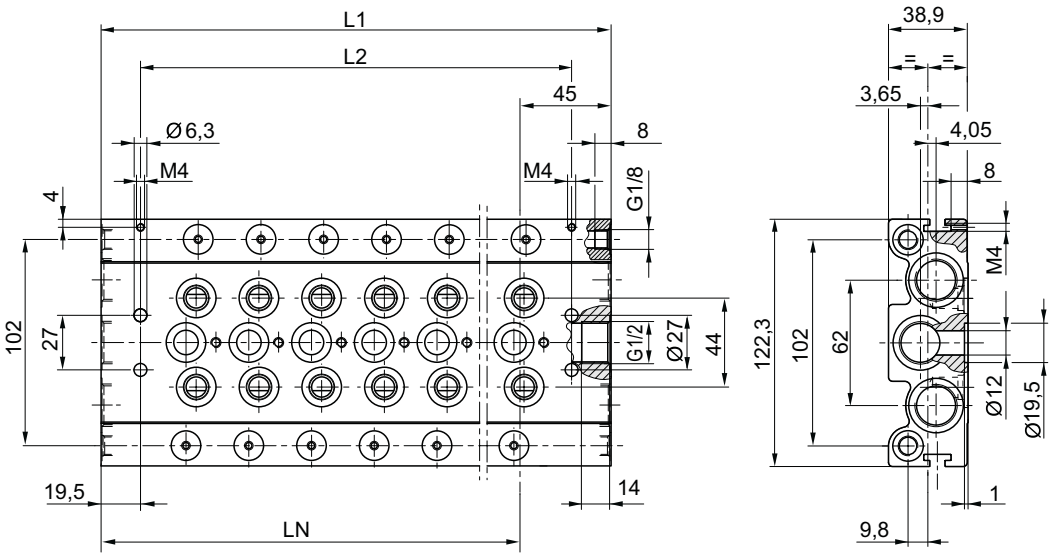
Technical Remarks

- 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, see chapter „Technical information“.

Compressed air connection			Number of valve positions	Weight	Part No.
Input	Exhaust	Pilot connection			
[1]	[3 / 5]	[14]		[kg]	
G 1/2	G 1/2	G 1/8	4	1.446	**8985072042**
			6	1.94	**8985072062**
			8	2.422	**8985072082**
			10	2.943	8985072102
			12	3.401	8985072122

Series CD07
Accessories

Dimensions



00138184

Part No.	L1	L2	LN	Weight kg								
8985072042	183	144	138	1.446								
8985072062	245	206	200	1.94								
8985072082	307	268	262	2.422								
8985072102	369	330	324	2.943								
8985072122	431	392	386	3.401								

Accessories, Series CD07

16412

Fig.1

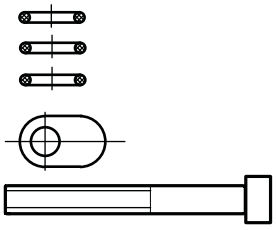


Fig.2

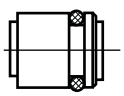


Fig.3

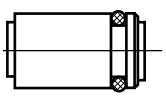


Fig.4

00133201

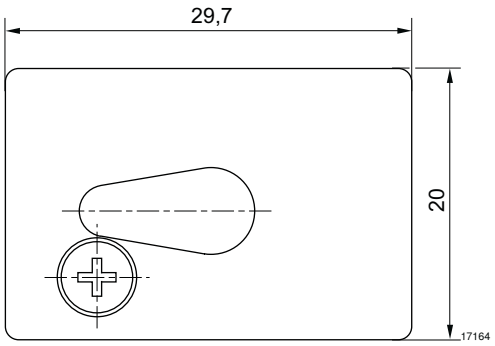
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Series CD07
Accessories

Part No.	Type	Weight [kg]	Delivery quantity [Piece]	Fig.					
3354600002	Mounting kit for 10 valves, delivery includes: 30 seals, 10 washers, and 10 mounting screws.	0.125	1	Fig. 1					
3354600082	P plug	0.022	1	Fig. 2					
3354600072	R/S plug	0.023	1	Fig. 3					
8970810404	Seal for external pilot	0.001	1	Fig. 4					

Kit, Series CD07
► for manual override

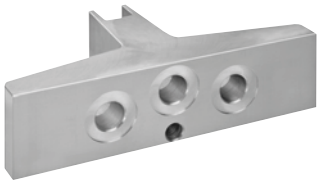
17165



Scope of delivery incl. 1 tapping screw with countersunk head

Part No.	Weight [kg]	Delivery quantity [Piece]										
5420900002	0.004	1										

Blanking plate, for series CD07



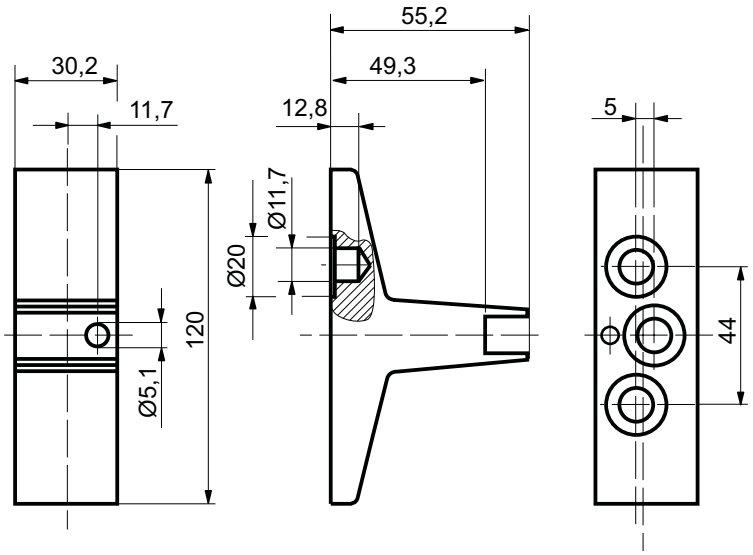
16413

Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°C
Medium	Compressed air
Working pressure min./max.	-0.95 bar / 16 bar
Number of valve positions	1
Materials:	
Base plate	Aluminum
Seals	Acrylonitrile Butadiene Rubber

Series CD07
Accessories

Weight	Part No.
[kg]	
0.181	**3354601024**

Dimensions



Silencers, Series SI1
► **Sintered bronze**

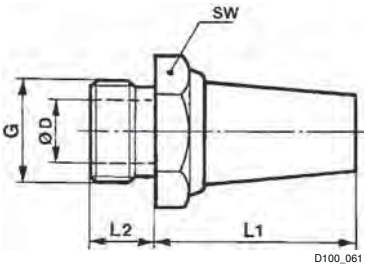
P100_060

Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium	Compressed air
Materials:	
Silencers	Sintered bronze
Thread	Brass

Compressed air connection	Sound pressure level	Qn	Delivery quantity	Weight	Part No.
	[dB]	[l/min]	[Piece(s)]	[kg]	
G 1/4	79	2900	10	0.02	**1827000001**
	-	-		0.013	**R412004817**
M14x1,5	80	-	1	0.018	**5324001120**

Series CD07
Accessories

Dimensions



Part No.	Port G	SW	Ø D	L1	L2							
1827000001	G 1/4	17	8.5	25	8							
R412004817	G 1/4	16	8.5	18.7	7.6							
5324001120	M14x1,5	17	8.5	25	8							
Sound pressure level measured at 6 bar at 1 m distance												

Silencers, Series SI1
► Sintered bronze

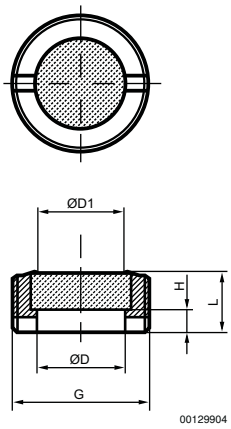

00128791

Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium	Compressed air
Materials:	
Silencers	Sintered bronze
Thread	Brass

Compressed air connection	Delivery quantity [Piece(s)]	Part No.
G 1/4	10	**R414000155**

Series CD07
Accessories

Dimensions



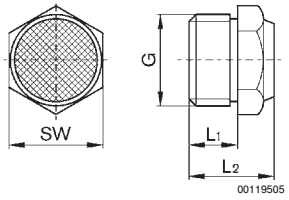
Part No.	Port G	Ø D	Ø D1	H	L							
R414000155	G 1/4	8	6	3	6							

Silencers, Series SI1
► Sintered bronze

Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium	Compressed air
Materials:	
Silencers	Sintered bronze
Thread	Brass

Compressed air connection	Sound pressure level	Qn	Delivery quantity	Weight	Part No.
	[dB]	[l/min]	[Piece(s)]	[kg]	
G 1/4	88	900	10	0.01	**1827000033**

Dimensions



Series CD07
Accessories

Part No.	Port G	L1	L2	SW								
1827000033	G 1/4	8	13.5	17								
Sound pressure level measured at 6 bar at 1 m distance												

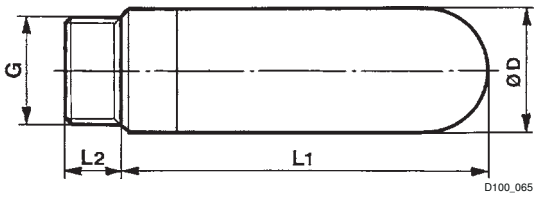
Silencers, Series SI1
► Polyethylene


P100_064

Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium	Compressed air
Materials:	
Silencers	Polyethylene
Thread	Polyethylene

Compressed air connection	Sound pressure level	Qn	Delivery quantity	Weight	Part No.
	[dB]	[l/min]	[Piece(s)]	[kg]	
G 1/4	80	3100	5	0.003	**1827000020**

Dimensions

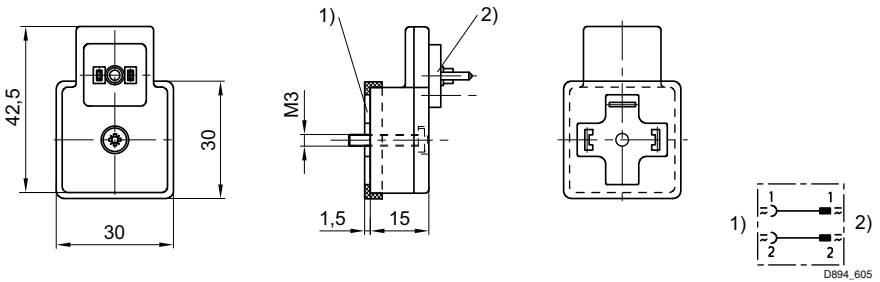


D100_065

Part No.	Port G	Ø D	L1	L2								
1827000020	G 1/4	15.5	34.5	8								
Sound pressure level measured at 6 bar at 1 m distance												

Adapter for contact bridges


P894_605



D894_605

1) contact as per DIN EN 175301-803, form A
2) contact as per DIN EN 175301-803, form C

Series CD07
Accessories

Part No.	Type	Protection class	Interface 1	Interface 2	Operational voltage DC, max. [V]	Max. current [A]	Ambient temperature min./max.
8946053622	from form A to form C	IP65	Electrical connector Form A	electrical connector form C	42	5	-25 / +50

Part No.	Material											
8946053622	Polyamide											

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info@aventics.com

Find more contact information at
www.aventics.com/contact

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Read the product documentation completely and carefully before using the product.
Observe the applicable regulations and laws of the respective country.
When integrating the product into applications, note the system manufacturer's specifications for safe use of the product.
The data specified only serve to describe the product.
No statements concerning a certain condition or suitability for a certain application can be derived from our information.
The information given does not release the user from the obligation of own judgment and verification.
It must be remembered that the products are subject to a natural process of wear and aging.

26-12-2015