

Directional valves → Electrically operated
Series CD07

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Brochure



Directional valves → Electrically operated

Series CD07**Valves with non-standardized connections**

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Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent, without ► single solenoid



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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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected 14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks	
■	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 air pressure must remain constant during the life cycle.
■	Use only the approved oils from Bosch Rexroth, 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.

Operating 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

Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► 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					Operating voltage			Flow rate value	Part No.	
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn		
										[l/min]		
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	24 V - 110 V - 230 V - 24 V	- 110 V 230 V - 24 V	- 110 V 230 V - 24 V	1400	5772070220 5772075270 5772075280 5772072220 5772075220
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	1400	5772075302
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V - 110 V - 230 V - 24 V	- 110 V 230 V - 24 V	- 110 V 230 V - 24 V	1400	5772080220 5772085270 5772085280 5772085220
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	1400	5772085302
	NC/NO		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1400	R412004091
	NC/NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	1400	R412004092
	NC/NO	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1400	5772960220
	NC/NO	-	G 1/4	G 1/4	G 1/4	-	M5	-	-	-	1400	5772965302
Part No.	Flow rate value	Flow rate value	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note		
	Qn 1►2	Qn 2►3										
	[l/min]	[l/min]	[bar]	[°C]	[°C]	[ms]	[ms]		[kg]			
5772070220 5772075270 5772075280 5772072220 5772075220	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45	IP 65	0.54	1) 1) 1) 1); 4) 1)		

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) Higher power consumption

5) ATEX certified

Nominal flow Qn at 6 bar and Δp = 1 bar

Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► 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.	Flow rate value	Flow rate value	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note
	Qn 1►2	Qn 2►3								
	[l/min]	[l/min]	[bar]	[°C]	[°C]	[ms]	[ms]		[kg]	
5772075302	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	1); 3); 5)
5772080220 5772085270 5772085280 5772085220	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	25	45	IP 65	0.54	2)
5772085302	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	2); 3); 5)
R412004091	1400	1400	3 / 10	-10°C / +50°C	-10°C / +50°C	25	45	IP 65	0.54	1); 5)
R412004092	1400	1400	-0.95 / 10	-10°C / +50°C	-10°C / +50°C	25	45	IP 65	0.54	2); 5)
5772960220	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45	IP 65	0.54	1)
5772965302	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	1); 3)

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) Higher power consumption

5) ATEX certified

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar**InduParts Pneumatics B.V.B.A.**

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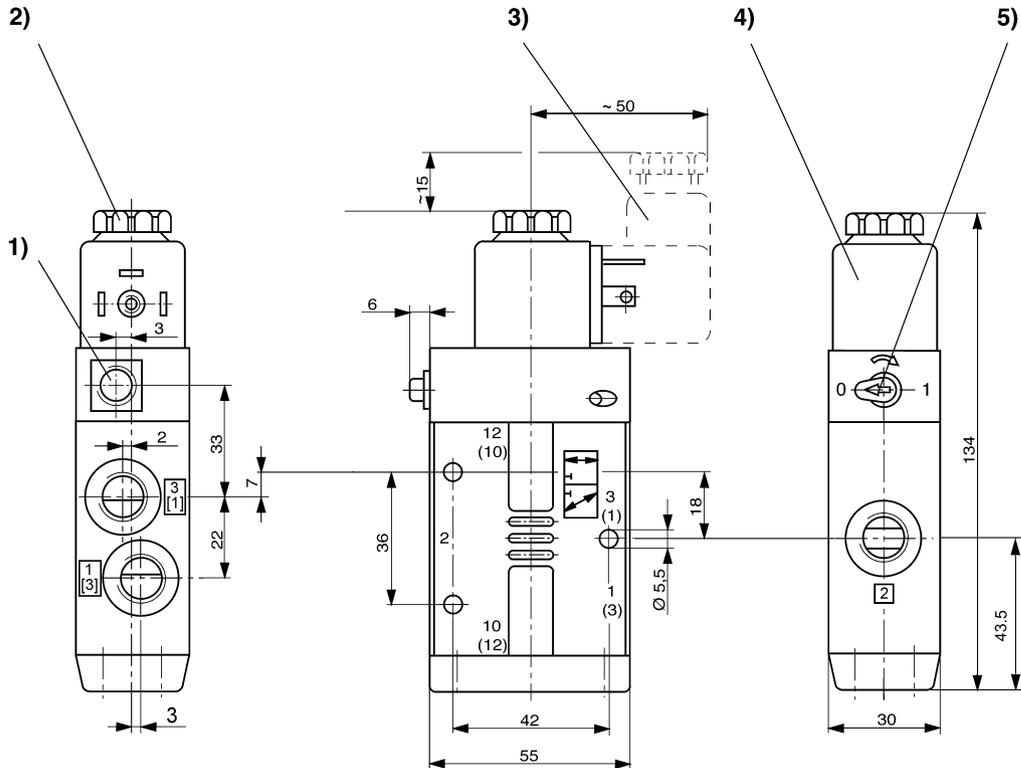
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Directional valves → Electrically operated

3/2-way valve, Series CD07

► $Q_n = 1400 \text{ l/min}$ ► 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



D577_207

- 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

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Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► single solenoid



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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/m ³ - 1 mg/m ³ with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14
Materials:	100 %
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

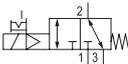
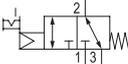
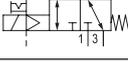
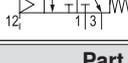
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- ATEX optional: ATEX version 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.

Operating 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	-	-	-	-

Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► 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					Operating voltage			Flow rate value	Part No.	
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn		
										[l/min]		
	NC/NO		M14x1,5	M14x1,5	M14x1,5	-	M5	24 V - 110 V	- 110 V 230 V	- 110 V 230 V	1400	5772020220 5772025270 5772025280 5772020770
	NC/NO		M14x1,5	M14x1,5	M14x1,5	-	M5	-	-	-	1400	5772025302
	NC/NO		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	24 V -	- 230 V	- 230 V	1400	5772030220 5772035280
	NC/NO		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	-	-	-	1400	5772035302
Part No.	Flow rate value	Flow rate value	Working pressure min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note				
	Qn 1►2	Qn 2►3										
	[l/min]	[l/min]	[bar]	[ms]	[ms]		[kg]					
5772020220 5772025270 5772025280 5772020770	1400	1400	3 / 10	25	45	IP 65	0.54	1)				
5772025302	1400	1400	3 / 10	-	-	-	-	1); 3); 4)				
5772030220 5772035280	1400	1400	-0.95 / 10	25	45	IP 65	0.54	2)				
5772035302	1400	1400	-0.95 / 10	-	-	-	-	2); 3); 4)				

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) ATEX certified

Nominal flow Qn at 6 bar and Δp = 1 bar

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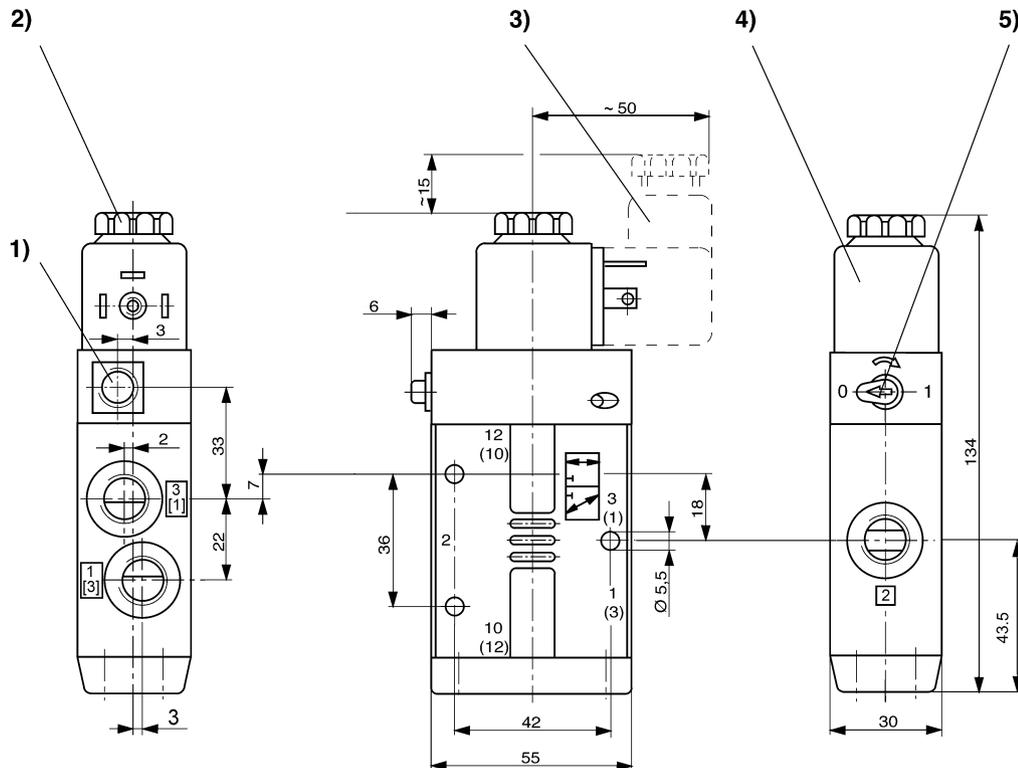
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Directional valves → Electrically operated

3/2-way valve, Series CD07

► $Q_n = 1400 \text{ l/min}$ ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► single solenoid

Dimensions



D577_207

- 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

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5/2-way valve, Series CD07

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



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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.	See table below
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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	See table below
Materials:	100 %
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, 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.

Operating 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	-	-	-	-
24 V	-	-	-10% / +15%	-	-	1.1	-	-	-	-
96 V	-	-	-30% / +30%	-	-	5.8	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► 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					Operating voltage			Flow rate value		Part No.	
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2		
											[l/min]		
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1200	1200	5776070220	
							24 V	-	-				5776074420
							96 V	-	-				5776070360
							-	230 V	230 V				5776075280
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	1200	1200	5776075302	
							-	-	-				
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	1200	1200	5776080220	
							-	110 V	110 V				5776085270
							-	230 V	230 V			5776085280	
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	1200	1200	5776085302	
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1200	1200	5776970220	
												R412004093	
	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1200	1200	5776980220	
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1200	1200	5776850220	
Part No.	Flow rate value	Working pressure min./max.	Control pressure min./max.	Switch-on time	Switch-off time	Compatibility index	Protection class according to EN 60529	Weight	Note				
	Qn 2►3												
	[l/min]	[bar]	[bar]	[ms]	[ms]			[kg]					
5776070220	1200	3 / 10	3 / 10	25	45	14	IP 65	0.57	1); 4)				
5776074420		3 / 8	3 / 8			-			1); 4); 6)				
5776070360		3 / 10	3 / 10			14			1); 4)				
5776075280		3 / 10	3 / 10			14			1); 4)				
5776075302	1200	3 / 10	3 / 10	-	-	14	-	-	1); 3); 4); 7)				
5776080220	1200	-0.95 / 10	3 / 10	25	45	14	IP 65	0.57	2); 4)				
5776085270													
5776085280													
5776085302	1200	-0.95 / 10	3 / 10	-	-	14	-	-	2); 3); 4); 7)				
5776970220	1200	3 / 10	3 / 10	25	45	14	IP 65	0.57	1); 4)				
R412004093									1); 4); 7)				
5776980220	1200	3 / 10	3 / 10	25	45	14	IP 65	0.57	1); 4)				

MO = Manual override

- 1) Pilot: internal
- 2) Pilot: external
- 3) Basic valve without coil
- 4) Seals: Acrylonitrile Butadiene Rubber
- 5) Seals: Polyurethane
- 6) Low power consumption
- 7) ATEX certified

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for detailed information
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Directional valves → Electrically operated

5/2-way valve, Series CD07

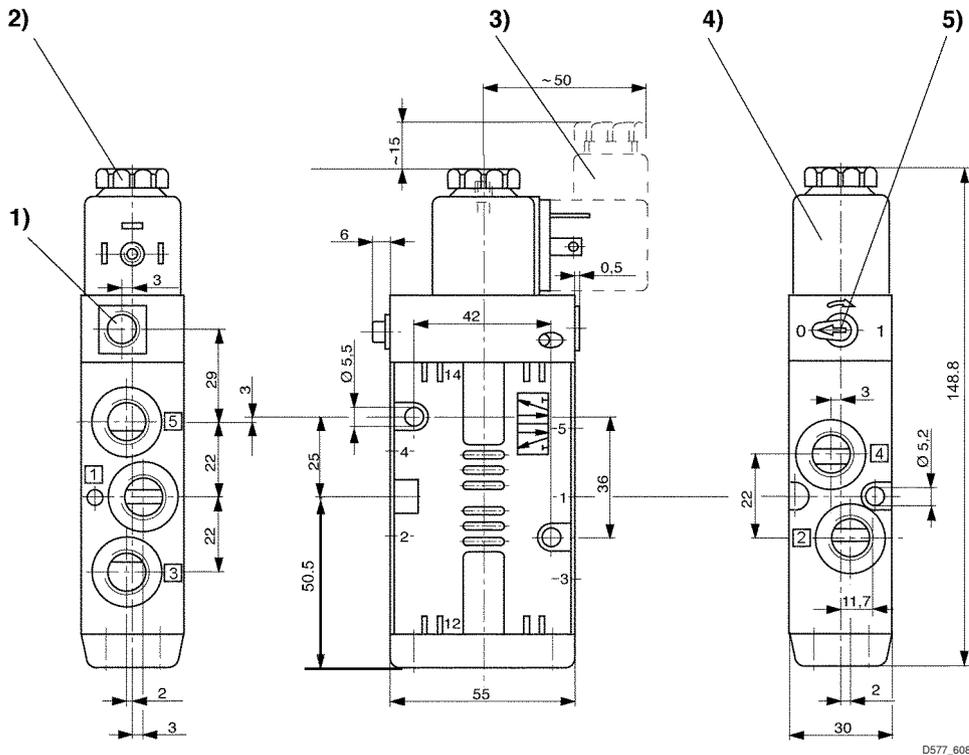
► $Q_n = 1200 \text{ l/min}$ ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent, without ► single solenoid

Part No.	Flow rate value	Working pressure min./max.	Control pressure min./max.	Switch-on time	Switch-off time	Compatibility index	Protection class according to EN 60529	Weight	Note
	Q_n 2►3								
	[l/min]	[bar]	[bar]	[ms]	[ms]			[kg]	
5776850220	1200	4.5 / 10	4.5 / 10	25	45	14	IP 65	0.57	1); 5)

MO = Manual override

- 1) Pilot: internal
- 2) Pilot: external
- 3) Basic valve without coil
- 4) Seals: Acrylonitrile Butadiene Rubber
- 5) Seals: Polyurethane
- 6) Low power consumption
- 7) ATEX certified

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

Dimensions

D577_608

- 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

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► 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



00134143

Version	Spool valve, zero overlap
Pilot	internal
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
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14
Switch-on time	100 %
Switch-off time	25 ms
	45 ms
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

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Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating 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				Operating voltage			Flow rate value			Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	
												[l/min]
		G 1/4	G 1/4	G 1/4	M5	24 V	-	-	1200	1200	1200	5776960220 5776965280
		G 1/4	G 1/4	G 1/4	M5	-	-	-	1200	1200	1200	5776965302

Directional valves → Electrically operated

5/2-way valve, Series CD07

► $Q_n = 1200 \text{ l/min}$ ► 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

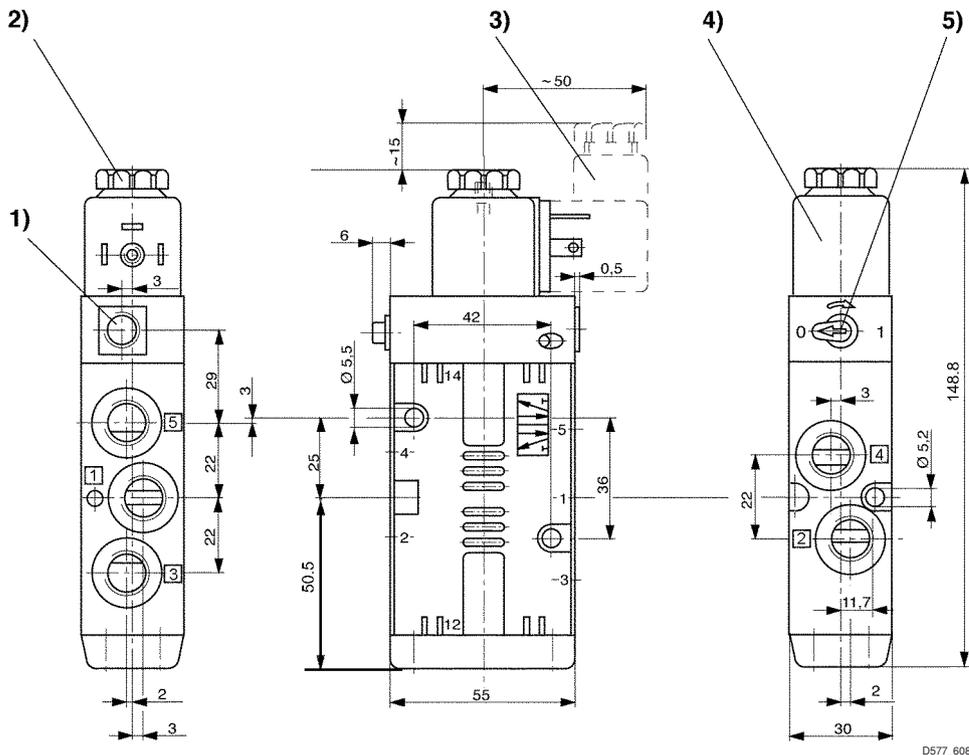
Part No.	Protection class according to EN 60529	Weight	Note
		[kg]	
5776960220	IP 65	0.57	-
5776965280			-
5776965302	-	-	1)

MO = Manual override

1) Basic valve without coil

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

Dimensions



D577_608

- 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

Directional valves → Electrically operated

5/2-way valve, Series CD07

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



00134143

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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/m ³ - 1 mg/m ³ with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected 14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks										
<ul style="list-style-type: none"> ■ 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 air pressure must remain constant during the life cycle. ■ Use only the approved oils from Bosch Rexroth, 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. 										

Operating 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					Operating voltage			Flow rate value		Part No.	
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2		
											[l/min]		
		M14x1,5	M14x1,5	M14x1,5	-	M5	24 V	-	-	1200	1200	5776020220	
								-	110 V	110 V			5776025270
									-	230 V	230 V		
		M14x1,5	M14x1,5	M14x1,5	-	M5	-	-	-	1200	1200	5776025302	

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for detailed information Pneumatics catalog, online PDF, as of 2010-01-30, © Bosch Rexroth AG, subject to change

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► 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					Operating voltage			Flow rate value		Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	
											[l/min]	
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	24 V	-	-	1200	1200	5776030220
								-	230 V	230 V		
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	-	-	-	1200	1200	5776035302
Part No.	Flow rate value	Working pressure min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note					
	Qn 2►3											
	[l/min]	[bar]	[ms]	[ms]		[kg]						
5776020220 5776025270 5776025280	1200	3 / 10	25	45	IP 65	0.57	1)					
5776025302	1200	3 / 10	-	-	-	-	1); 3); 4)					
5776030220 5776035280	1200	-0.95 / 10	25	45	IP 65	0.57	2)					
5776035302	1200	-0.95 / 10	-	-	-	-	2); 3); 4)					

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) ATEX certified

Nominal flow Qn at 6 bar and Δp = 1 bar

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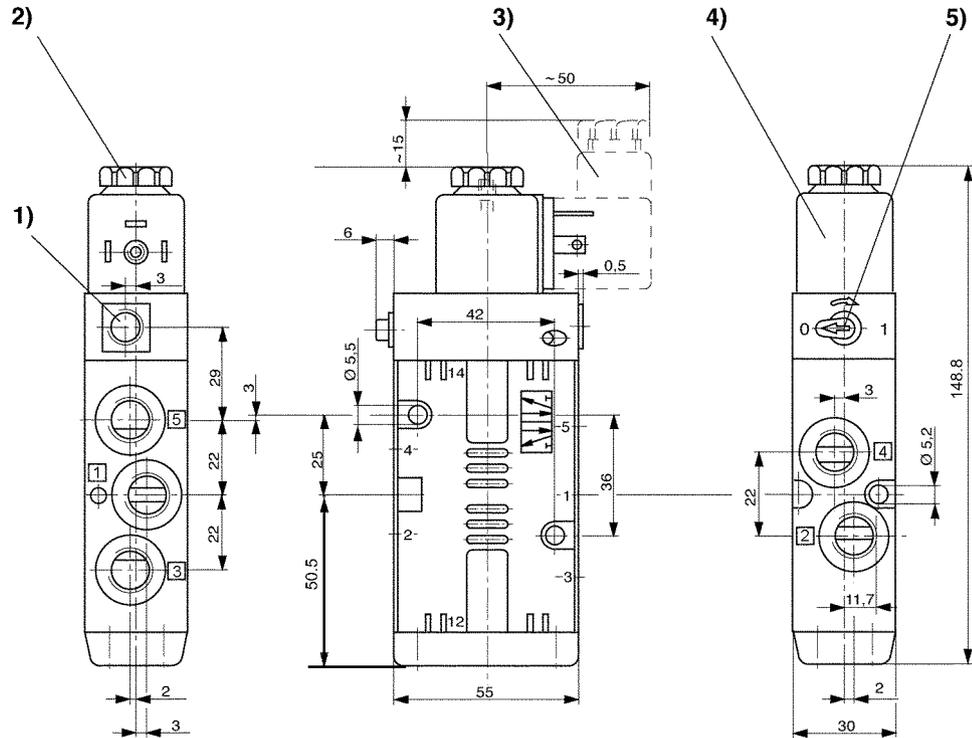
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Directional valves → Electrically operated

5/2-way valve, Series CD07

► $Q_n = 1200 \text{ l/min}$ ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► single solenoid

Dimensions



D577_608

- 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

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Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent, without ► double 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.	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
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14 100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

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Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, 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.

Operating 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
12 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent, without ► double solenoid

	MO	Compressed air connection					Operating voltage			Flow rate value		Part No.	
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2		
											[l/min]		
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	1200	1200	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	-	-	-	1200	1200	5776275302	
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	1200	1200	5776280220	
							-	110 V	110 V			5776285270	
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	1200	1200	5776285302	
	-	G 1/4	G 1/4	G 1/4	-	M5	12 V	-	-	1200	1200	5776910210	
Part No.	Flow rate value	Working pressure min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note						
	Qn 2►3												
	[l/min]	[bar]	[ms]	[ms]		[kg]							
5776270220	1200	2 / 10	21	21	IP 65	0.75	1)						
5776272220							1); 4)						
5776275270							1)						
5776275280							1)						
5776275220							1)						
5776275302	1200	2 / 10	-	-	-	-	1); 3); 5)						
5776280220	1200	-0.95 / 10	21	21	IP 65	0.75	2)						
5776285270													
5776285280													
5776285302	1200	-0.95 / 10	-	-	-	-	2); 3); 5)						
5776910210	1200	2 / 10	21	21	IP 65	0.75	1)						

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) Higher power consumption

5) ATEX certified

Nominal flow Qn at 6 bar and Δp = 1 bar

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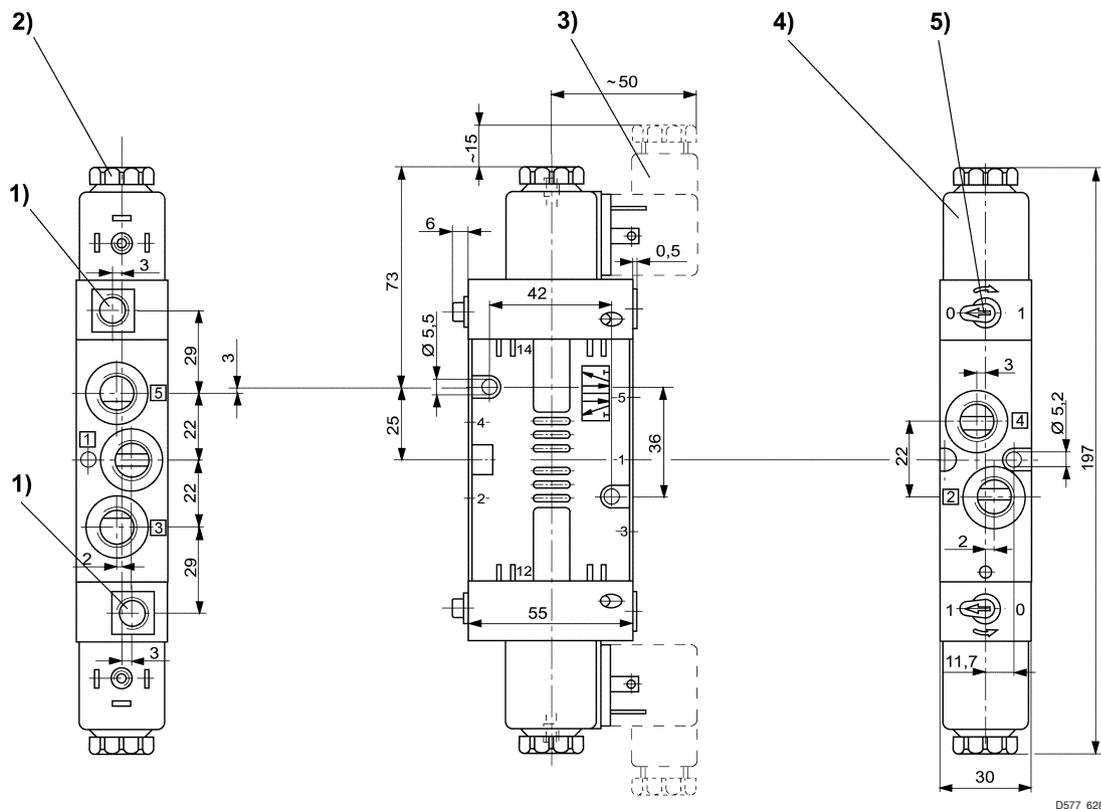
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Directional valves → Electrically operated

5/2-way valve, Series CD07

► $Q_n = 1200 \text{ l/min}$ ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent, without ► double solenoid

Dimensions



D577_628

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

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Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► 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



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Version	Spool valve, zero overlap
Pilot	internal
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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

Technical Remarks	
■	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 air pressure must remain constant during the life cycle.
■	Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating 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				Operating voltage			Flow rate value			Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	
												[l/min]
		G 1/4	G 1/4	G 1/4	M5	24 V	-	-	1200	1200	1200	5776840220 5776845280
		G 1/4	G 1/4	G 1/4	M5	-	-	-	1200	1200	1200	5776845302

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double 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.	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/m ³ - 1 mg/m ³ with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected 14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

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Technical Remarks										
<ul style="list-style-type: none"> ■ 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 air pressure must remain constant during the life cycle. ■ Use only the approved oils from Bosch Rexroth, 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. 										

Operating 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					Operating voltage			Flow rate value		Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	
											[l/min]	
		M14x1,5	M14x1,5	M14x1,5	-	M5	24 V	-	-	1200	1200	5776220220 5776225280
		M14x1,5	M14x1,5	M14x1,5	-	M5	-	-	-	1200	1200	5776225302
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	24 V	-	-	1200	1200	5776230220 5776235280

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Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► 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					Operating voltage			Flow rate value		Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	
											[l/min]	
		M14x1,5	M14x1,5	M14x1,5	G 1/8	M5	-	-	-	1200	1200	5776235302
Part No.	Flow rate value	Working pressure min./max.		Switch-on time	Switch-off time	Protection class according to EN 60529		Weight	Note			
	Qn 2►3											
	[l/min]	[bar]	[ms]	[ms]				[kg]				
5776220220 5776225280	1200	2 / 10	21	21	IP 65		0.75	1)				
5776225302	1200	2 / 10	-	-	-		-	1); 3); 4)				
5776230220 5776235280	1200	-0.95 / 10	21	21	IP 65		0.75	2)				
5776235302	1200	-0.95 / 10	-	-	-		-	2); 3); 4)				

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

4) ATEX certified

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

MO = Manual override

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Directional valves → Electrically operated

5/3-way valve, Series CD07

► Qn = 960 - 1070 l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double 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.	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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14 100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	

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Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, 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.

Operating 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

Directional valves → Electrically operated

5/3-way valve, Series CD07

► Qn = 960 - 1070 l/min ► 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.	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note
	[bar]	[°C]	[°C]	[ms]	[ms]		[kg]	
577775302	3 / 10	+0°C / +50°C	+0°C / +50°C	-	-	-	-	1); 3); 4); 6)
5777955302	-0.95 / 10							2); 3); 4); 6)
5777720220 5777725280	3 / 10	-25°C / +50°C	-25°C / +50°C	25	55	IP 65	0.72	1); 5)
5777725302	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	1); 3); 5); 6)
R412003424 5777955280	-0.95 / 10	+0°C / +50°C	+0°C / +50°C	-	-	IP 65	0.72	2); 4)
5777760220 5777765270 5777765280	3 / 10	+0°C / +50°C	+0°C / +50°C	25	55	IP 65	0.72	1); 4)
5777765302	3 / 10	+0°C / +50°C	+0°C / +50°C	-	-	-	-	1); 3); 4); 6)
5777945302	-0.95 / 10							2); 3); 4); 6)
5777710220 5777715280	3 / 10	-25°C / +50°C	-25°C / +50°C	25	55	IP 65	0.72	1); 5)
5777715302	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	1); 3); 5); 6)
5777750220 5777755280	3 / 10	+0°C / +50°C	+0°C / +50°C	25	55	IP 65	0.72	1); 4)
5777755302	3 / 10	+0°C / +50°C	+0°C / +50°C	-	-	-	-	1); 3); 4); 6)
5777700220 5777705280	3 / 10	-25°C / +50°C	-25°C / +50°C	25	55	IP 65	0.72	1); 4); 1); 5)
5777705302	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-	-	-	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 certified

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar**InduParts Pneumatics B.V.B.A.**

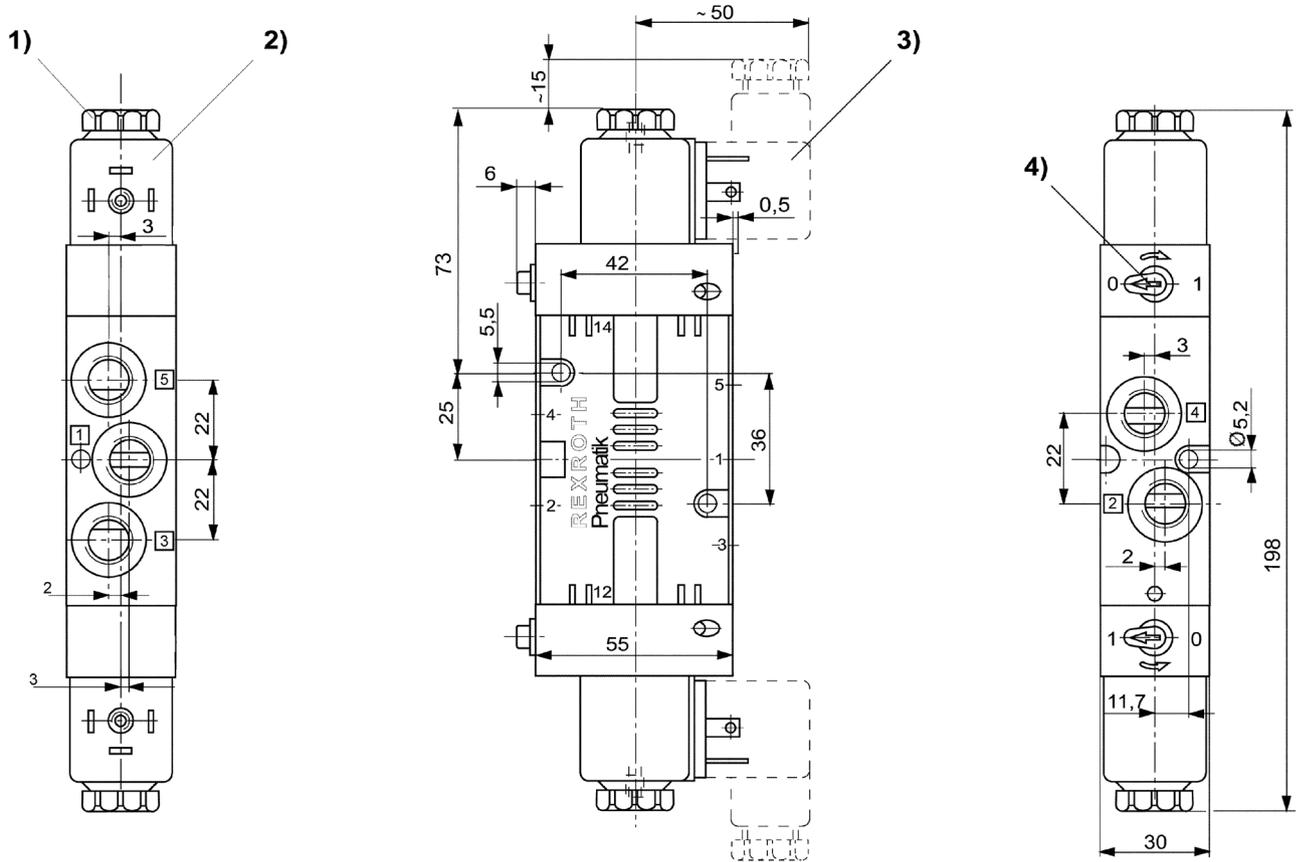
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Directional valves → Electrically operated

5/3-way valve, Series CD07

► $Q_n = 960 - 1070$ l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid

Dimensions



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

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Directional valves → Electrically operated

5/3-way valve, Series CD07

► Qn = 900 l/min ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid



Version	Spool valve, zero overlap
Pilot	internal
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/m ³ - 1 mg/m ³ with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	IP 65
	short circuit protected
Compatibility index	14
Duty cycle	100 %
Switch-on time	25 ms
Switch-off time	55 ms
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Polyurethane

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Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating voltage	Voltage tolerance	Power consumption	
		DC	W
24 V	-30% / +30%		5.8
110 V	-30% / +30%		6

MO	Compressed air connection					Operating voltage	Flow rate value			Weight	Part No.
	Input	Output	Exhaust	Pilot control exhaust	DC		Qn	Qn 1►2	Qn 2►3		
						[l/min]			[kg]		
	M14x1,5	M14x1,5	M14x1,5	M5	24 V 110 V	900	900	900	0.72	5776920220 5776920270	

MO = Manual override

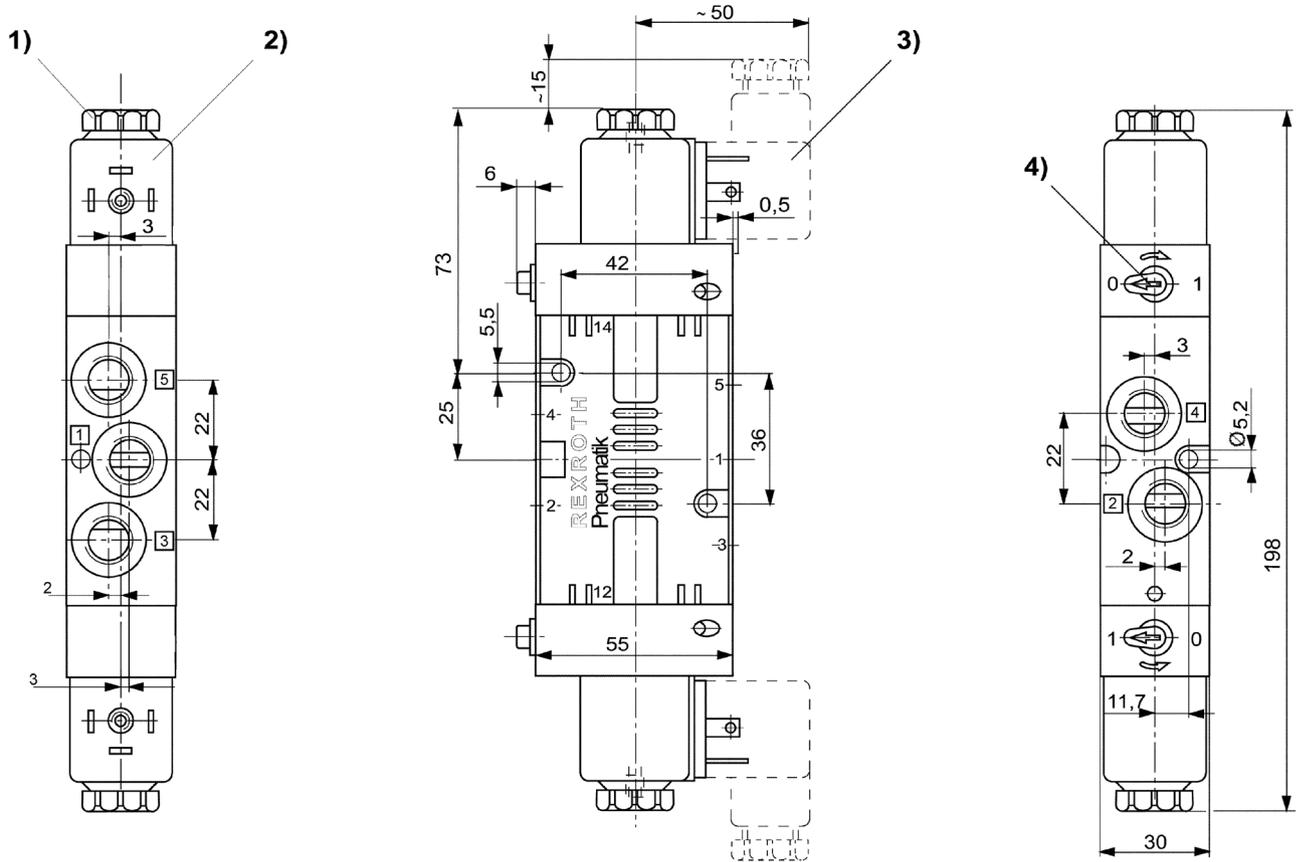
Nominal flow Qn at 6 bar and Δp = 1 bar

Directional valves → Electrically operated

5/3-way valve, Series CD07

► $Q_n = 900 \text{ l/min}$ ► pipe connection ► compressed air connection output: M14x1,5 ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid

Dimensions



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

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Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► single solenoid



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Version	Spool valve, zero overlap
Pilot	internal
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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14 100 %
Materials:	
Housing	Polyamide, fiber-glass reinforced; Die cast zinc
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, 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.

Operating 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				Operating voltage			Flow rate value			Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	
											[l/min]	
		G 1/4	Namur base plate	G 1/4	M5	24 V	-	-	1200	1200	1200	5776600220 5776605280
		G 1/4	Namur base plate	G 1/4	M5	-	-	-	1200	1200	1200	5776605302

Directional valves → Electrically operated

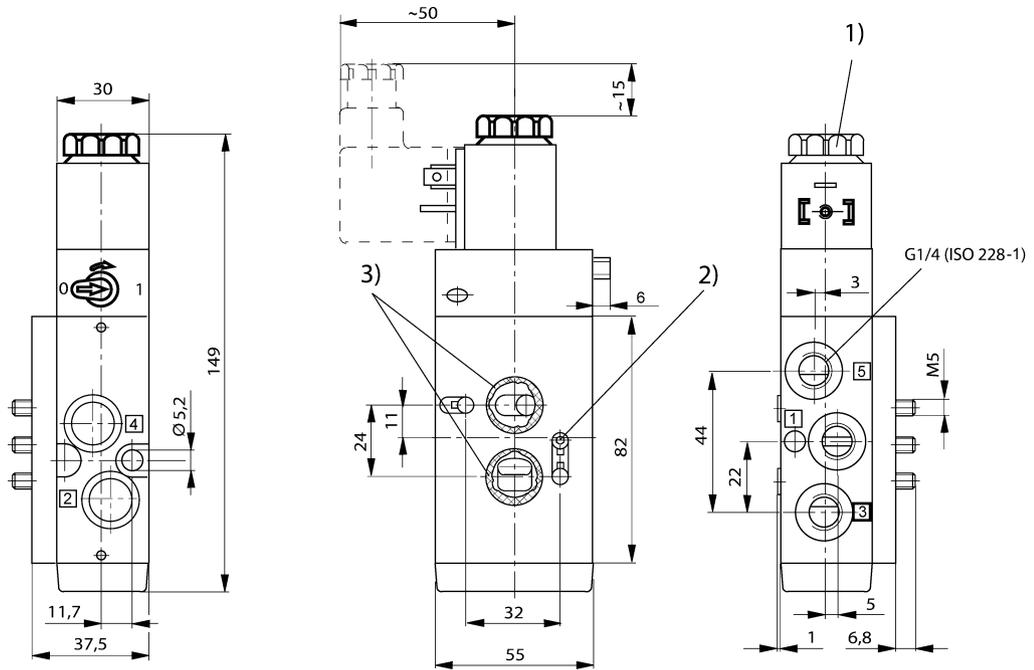
5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► single solenoid

Part No.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note
	[ms]	[ms]		[kg]	
5776600220 5776605280	25	45	IP 65	0.6	-
5776605302	-	-	-	-	1); 2)

1) Basic valve without coil
 2) ATEX certified
 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)

D577_660

Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 l/min ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid



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Version	Spool valve, zero overlap
Pilot	internal
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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class according to EN 60529:2000 with electrical connector/plug	See table below
Compatibility index	short circuit protected
Duty cycle	14 100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating 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				Operating voltage			Flow rate value			Part No.
		Input	Output	Exhaust	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3	
												[l/min]
		G 1/4	Namur base plate	G 1/4	M5	24 V	-	-	1200	1200	1200	5776620220 5776625280
		G 1/4	Namur base plate	G 1/4	M5	-	-	-	1200	1200	1200	5776625302

Directional valves → Electrically operated

5/2-way valve, Series CD07

► $Q_n = 1200 \text{ l/min}$ ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid

Part No.	Switch-on time	Switch-off time	Protection class according to EN 60529	Weight	Note
	[ms]	[ms]		[kg]	
5776620220	21	21	IP 65	0.8	-
5776625280					-
5776625302	-	-	-	-	1); 2); 3)

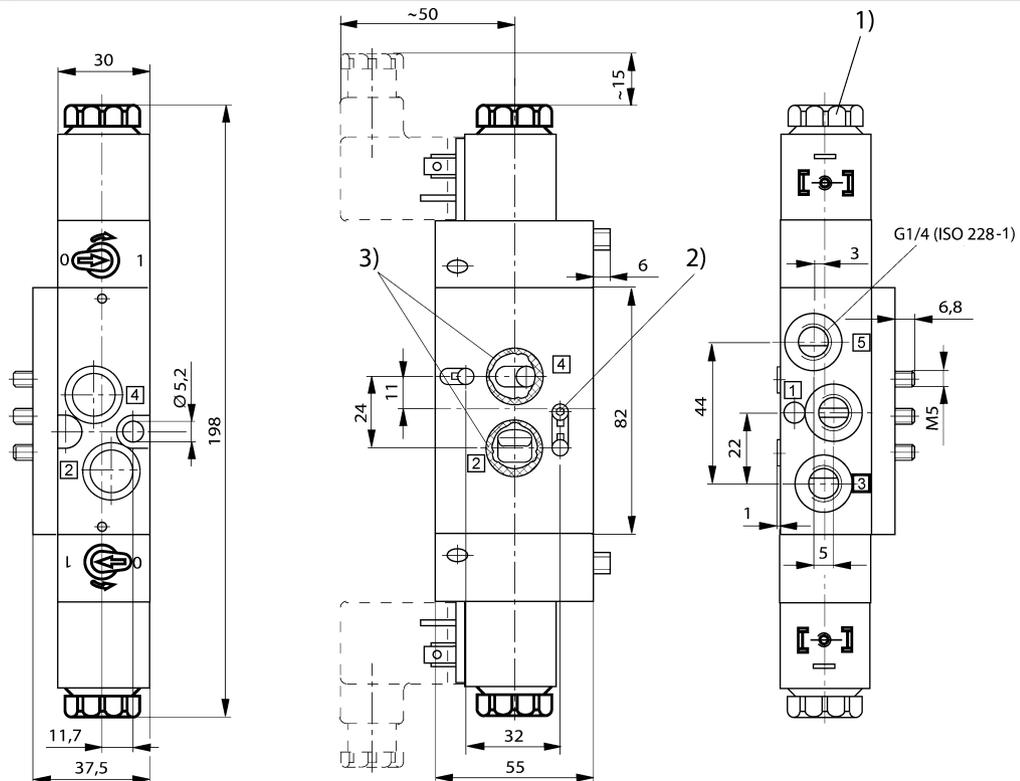
1) Basic valve without coil, can be combined with ATEX coil

2) Basic valve without coil

3) ATEX certified

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

MO = Manual override

Dimensions

D577_662

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

Directional valves → Electrically operated

5/3-way valve, Series CD07

► Qn = 960 - 1070 l/min ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid

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Version	Spool valve, zero overlap
Pilot	internal
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/m ³ - 1 mg/m ³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006 short circuit protected
Compatibility index	14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

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

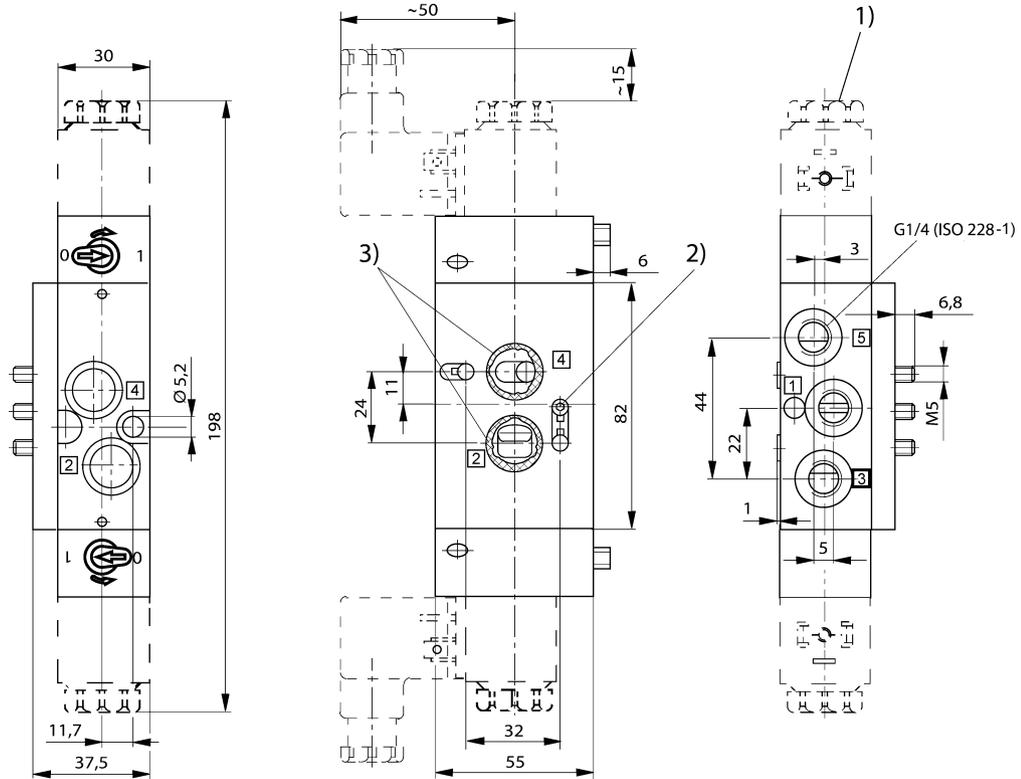
1) Basic valve without coil, can be combined with ATEX coil
Nominal flow Qn at 6 bar and Δp = 1 bar
MO = Manual override

Directional valves → Electrically operated

5/3-way valve, Series CD07

► $Q_n = 960 - 1070$ l/min ► pipe connection ► compressed air connection output: Namur base plate ► Electr. connection: Plug, EN 175301-803, form A ► manual override: with detent ► double solenoid

Dimensions



00136328

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

Directional valves → Electrically operated

Series CD07
AccessoriesElectrical connector, Series CN1
► ISO 4400 ► Electrical connector, form A

Ambient temperature min./max.
Protection class according to EN 60529:
mounting screw tightening torque

-40 °C / +90 °C
IP 65
0.4 Nm



00110264_a

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Technical Remarks

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

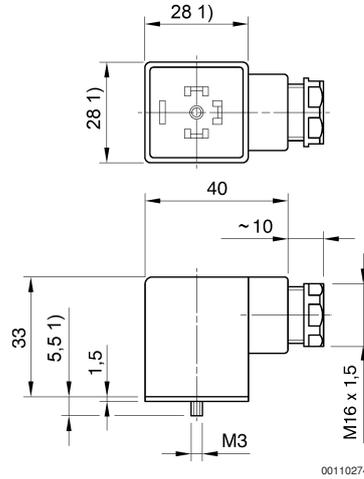
	Cable fitting	Operating voltage		Contact assignment	Cable exit	Protective circuit	suitable cable-Ø min./max	Part No.
		DC [V]	AC [V]					
	M16x1,5	24	24	2+E	angled 90°	Z-diode	5 / 8	1834484101
	M16x1,5	-	110 230	2+E	angled 90°	Varistor	5 / 8	1834484102 1834484103
Part No.	number of plug options 1	LED status display		Housing color		Weight		
							[kg]	
1834484101	4 positions each 90°	Yellow		Transparent		0.03		
1834484102 1834484103	4 positions each 90°	Red		Transparent		0.03		

1) electrical connector with status display (2 LED) for pressure sensor

Directional valves → Electrically operated

Series CD07
Accessories

Dimensions



00110274

1) max.

Electrical connectors, Series CN1

► ISO 4400 ► Electrical connector, form A ► with cable

Ambient temperature min./max.
Protection class according to EN 60529
Tightening torque for mounting screws

-20°C / +80°C
IP 67
0.4 Nm



00110292_b

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	Electrical interface	Number of plug options	Operating voltage		Contact assignment	LED status display	Housing color	Part No.
	[Port 1]	[for port 1]	[V DC]	[V AC]				
	Electrical connector, form A	2 positions each 180°	230	230	2+E	-	Black	1834484160 1834484161
	Electrical connector, form A	2 positions each 180°	24	24	2+E	Yellow	Transparent	1834484162 1834484163
	Electrical connector, form A	2 positions each 180°	230	230	2+E	Red	Transparent	1834484164 1834484165

Directional valves → Electrically operated

Series CD07
 Accessories

Part No.	Cable length	Weight	Note
	[m]		
1834484160	3	0.2	Fig. 1
1834484161	5	0.31	
1834484162	3	0.2	Fig. 2
1834484163	5	0.31	
1834484164	3	0.2	Fig. 2
1834484165	5	0.31	

Fig. 1

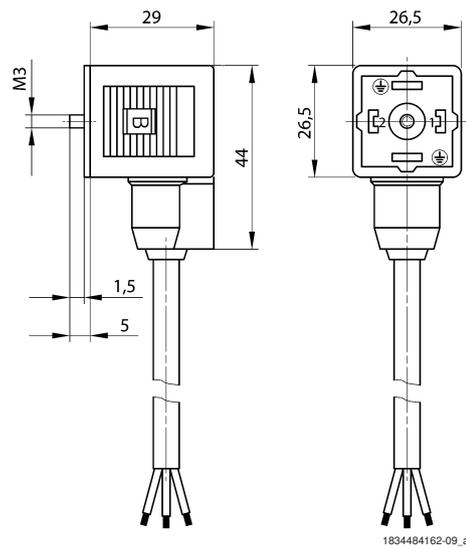
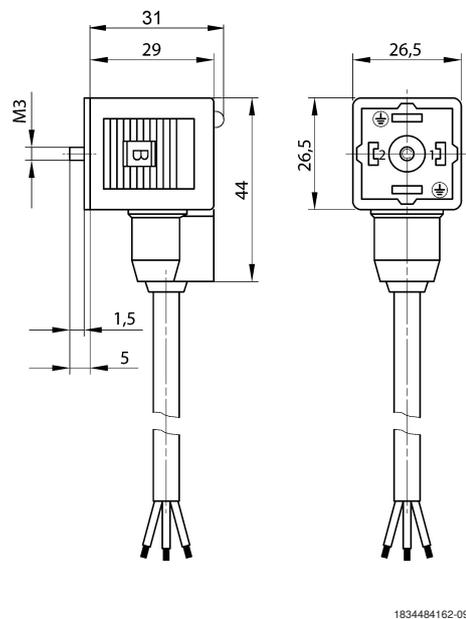


Fig. 2



Directional valves → Electrically operated

Series CD07
Accessories

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



00135727

Connector standard electrical connections
Ambient temperature min./max.
Protection class according to EN 60529:2000, with electrical connector
Duty cycle ED

EN 175301-803, form A
Plug
-- / +50 °C
IP 65
100 %

Materials:
Housing

Thermoplastic elastomer

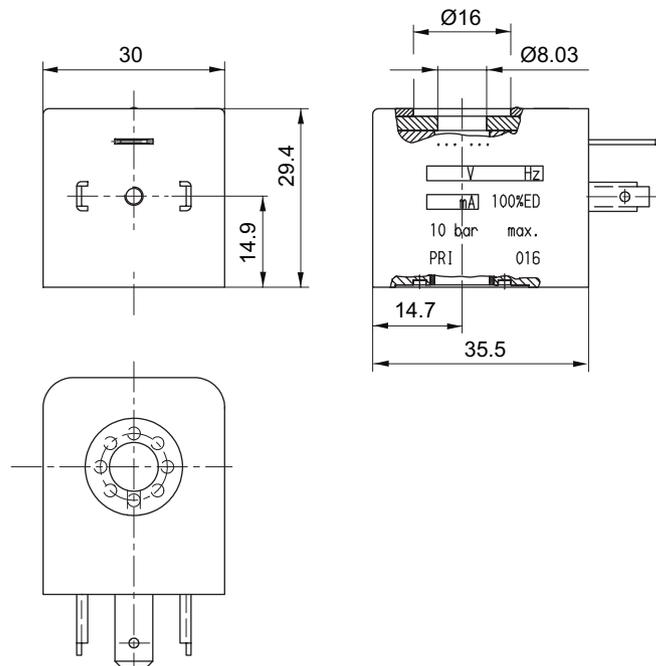
Operating voltage			Voltage tolerance			Power consumption	Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
						W	VA	VA
24 V	-	-	-10% / +10%	-	-	2.7	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	5.2	3.9
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	4.8	3.6
-	230 V	230 V	-	-20%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

	Operating voltage			Compatibility index	Weight	Part No.
	DC	AC 50 Hz	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

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Directional valves → Electrically operated

Series CD07
 Accessories

Dimensions


00135722

Contact bridge

▶ Control: Link structure VDS ▶ Plug, mini-DIN, 8-pin, with cable ▶ Number of solenoid coils: 1



P576_313

Ambient temperature min./max.	-15 °C / +50 °C
Protection class according to EN 60529: 2000	IP 65
Protective circuit	43 V
Operating voltage DC	24 V
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm
Materials:	
Housing	Polyester amide
Cable	Polyurethane
Seals	Fluorocautchouc

Directional valves → Electrically operated

Series CD07
Accessories

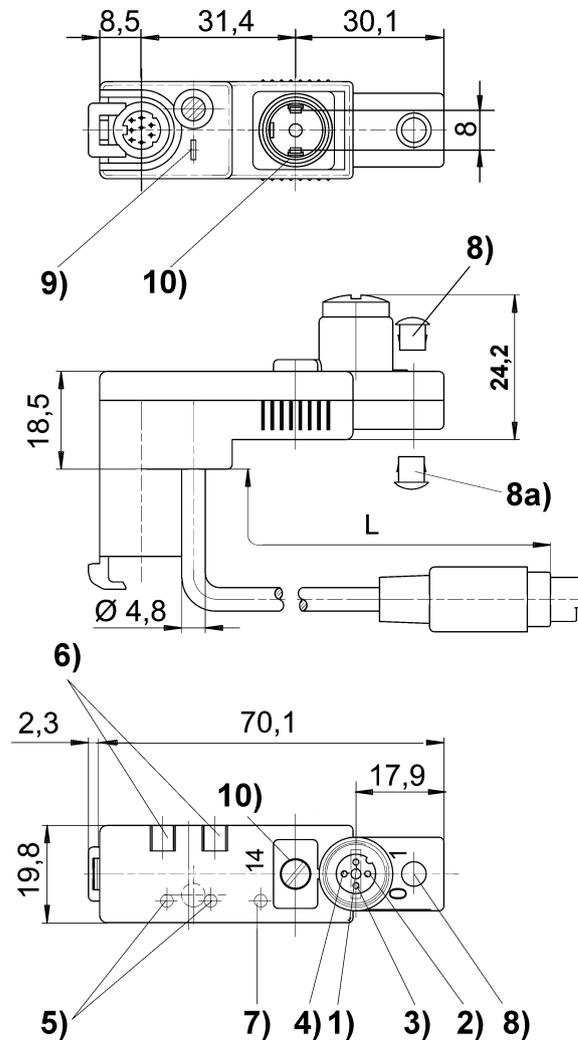
Port			Number		Cable length	Cable-Ø	Status display	Part No.
Valve	Sensors	external output	Sensor inputs	external outputs	[m]	[mm]	Initiator LED	
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	-	0.2	4.8	Green	5763503113
Electrical connector, ISO 15217, form C	-	-	-	-	0.2	4.8	-	5763513133
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	-	0.5	4.8	Green	5763553113
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	-	1	4.8	Green	5763513113
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	-	2.5	4.8	Green	5763563113
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	-	5	4.8	Green	5763523113
Electrical connector, ISO 15217, form C	-	Socket, M12, 5-pin	-	2	0.2	4.8	Green	5763503143
Electrical connector, ISO 15217, form C	-	Socket, M12, 5-pin	-	2	1	4.8	Green	5763513183
Part No.	Wire cross-section		Weight			Note		
	[mm ²]		[kg]					
5763503113	0.128		0.039			Fig. 1		
5763513133	0.128		0.037			1); Fig. 1		
5763553113	0.128		0.052			2); Fig. 1		
5763513113	0.128		0.068			1); 2); Fig. 1		
5763563113	0.128		0.126			1); 2); Fig. 1		
5763523113	0.128		0.22			1); 2); Fig. 1		
5763503143	0.128		0.039			2); Fig. 2		
5763513183	0.128		0.068			2); Fig. 2		

- 1) Protective cap
2) intended for the 1st valve position, to connect with the C-design bus module

Directional valves → Electrically operated

Series CD07
 Accessories

Fig. 1



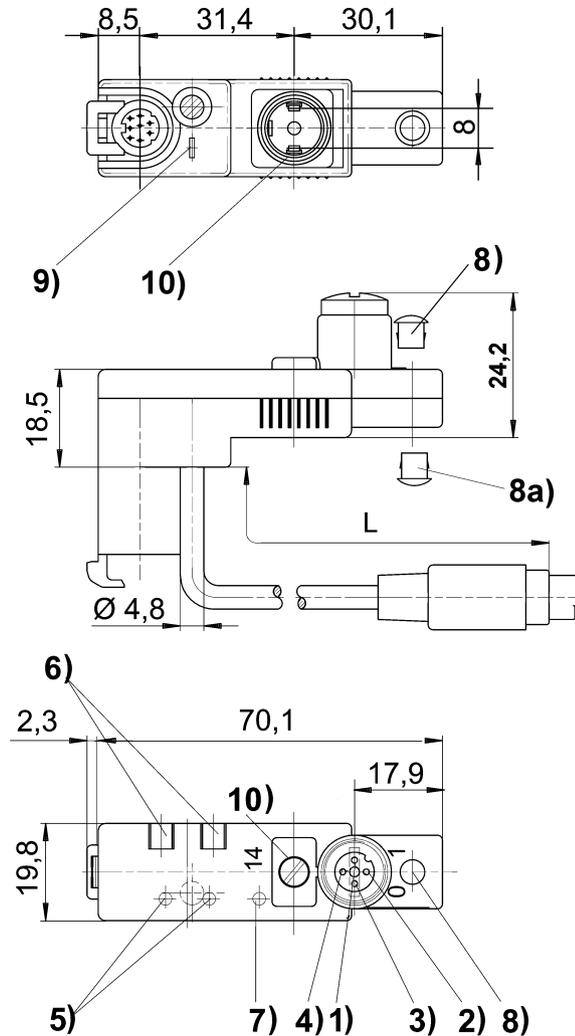
D576_313

- 1) 24 V DC
- 2) sensor input 2
- 3) ground
- 4) sensor input 1
- 5) LED sensors
- 6) mounting space for name plate
- 7) LED valve
- 8) sealing cap for manual override, not removable
- 8a) removable
- 9) additional grounding option
- 10) captive seal and screw

Directional valves → Electrically operated

Series CD07
Accessories

Fig. 2



00132137

- 1) 24 V DC
- 2) External output 2
- 3) Ground
- 4) External output 1
- 5) LED outputs
- 6) Mounting space for name plate
- 7) LED valve
- 8) Sealing cap for manual override, not removable
- 8a) Removable
- 9) Additional possibility of grounding
- 10) Captive seal and screw

Directional valves → Electrically operated

Series CD07
Accessories

Adapter for contact bridges



P894_605

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

Contact bridge

► Control: Link structure VDS ► Plug, M12x1, 8-pin, with cable ► Number of solenoid coils: 1



P576_313

Ambient temperature min./max.	-15°C / +50°C
Protection class according to EN 60529: 2000	IP 65
Protective circuit	43 V
Operating voltage DC	24 V
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0.25 Nm
Materials:	
Housing	Polyester amide
Cable	Polyurethane
Seals	Fluorocautchouc

The delivered product varies from that in the illustration. See the drawing for an exact description.

Directional valves → Electrically operated

Series CD07
Accessories

Port			Number	Cable length	Cable-Ø	Status display	Wire cross-section	Part No.
Valve	Sensors	external output	Sensor inputs	[m]	[mm]	Initiator LED	[mm ²]	
Electrical connector, ISO 15217, form C	Socket, M12, 5-pin	-	2	0.5	4.8	Green	0.128	5763523133
Electrical connector, ISO 15217, form C	-	Socket, M12, 5-pin	-	0.5	4.8	Green	0.128	5763523153
Part No.	Weight			Note				
	[kg]							
5763523133	0.062			1); 2); Fig. 1				
5763523153	0.064			2); Fig. 2				

1) Protective cap

2) intended for the 1st valve position, to connect with the F-design bus module

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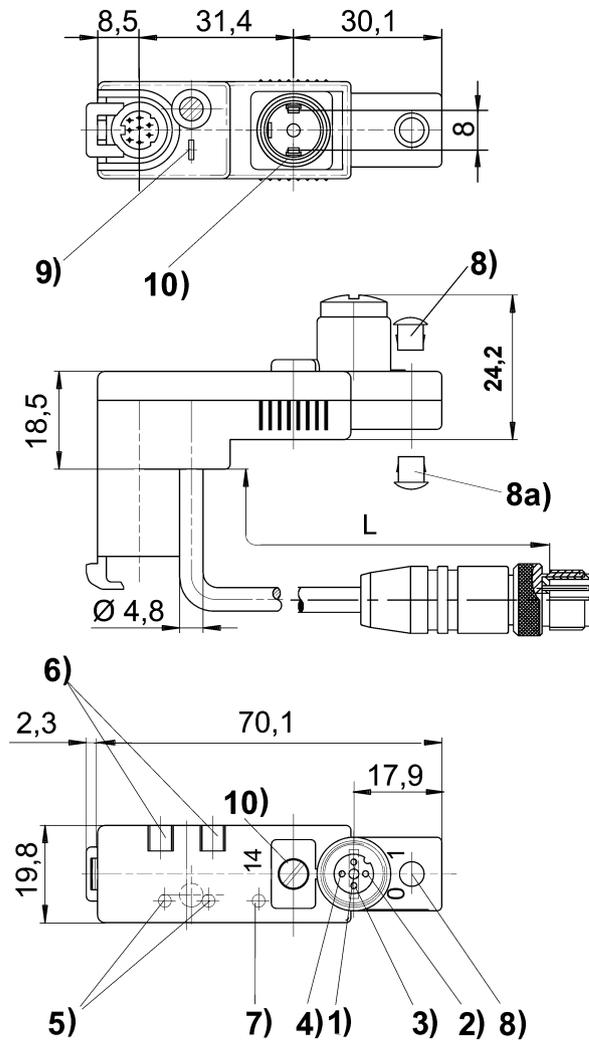
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Directional valves → Electrically operated

Series CD07
Accessories

Fig. 1



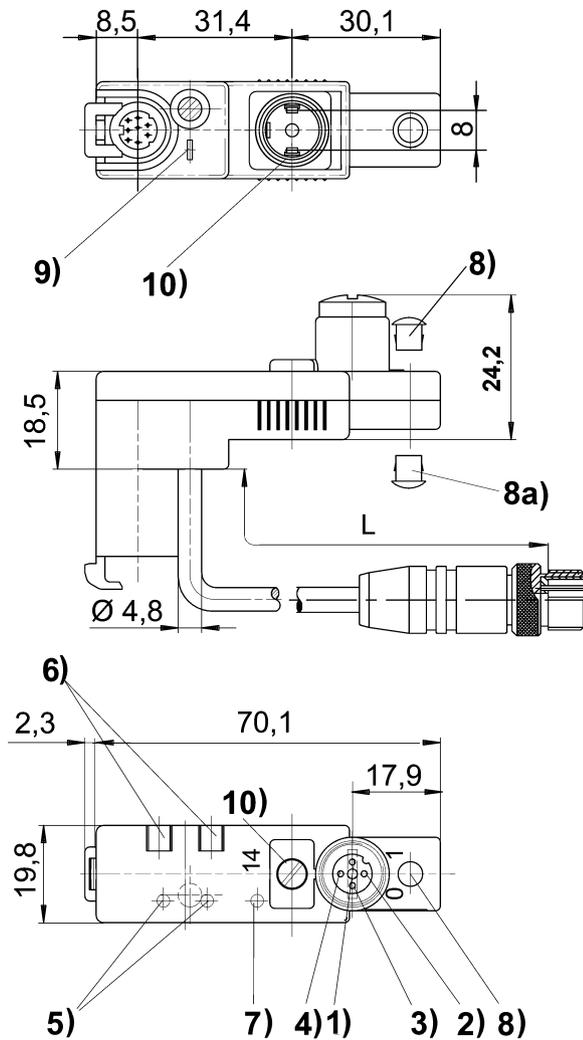
00132021

- 1) 24 V DC
- 2) sensor input 2
- 3) ground
- 4) sensor input 1
- 5) LED sensors
- 6) mounting space for name plate
- 7) LED valve
- 8) sealing cap for manual override, not removable
- 8a) removable
- 9) additional grounding option
- 10) captive seal and screw

Directional valves → Electrically operated

Series CD07
Accessories

Fig. 2



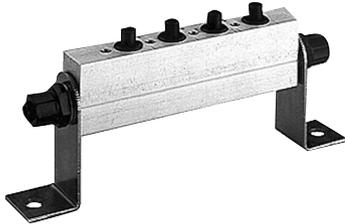
00132212

- 1) 24 V DC
- 2) External output 2
- 3) Ground
- 4) External output 1
- 5) LED outputs
- 6) Mounting space for name plate
- 7) LED valve
- 8) Sealing cap for manual override, not removable
- 8a) Removable
- 9) Additional possibility of grounding
- 10) Captive seal and screw

Directional valves → Electrically operated

Series CD07
Accessories

P-manifold, Series CD07



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)	unrestricted exhaust
Compressed air connection	according to ISO 228-1

Materials:	
Subbase	Aluminum; Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber
Mounting bracket	Steel

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

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

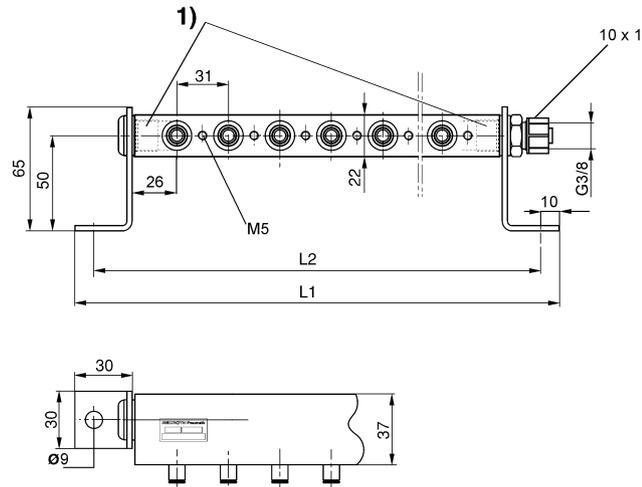
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Directional valves → Electrically operated

Series CD07
Accessories

Dimensions



D333_711

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

Part No.	L1	L2										
3337120222	152	132										
3337120232	183	163										
3337120242	214	194										
3337120252	245	225										
3337120262	276	256										
3337120272	307	287										
3337120282	338	318										
3337120292	369	349										
3337120302	400	380										
3337120312	431	411										
3337120322	462	442										

R, P, S subbase, Series CD07



5772-201

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 according to ISO 228-1
 Compressed air connection

Materials:
 Subbase Aluminum; Polyoxymethylene
 Seals Acrylonitrile Butadiene Rubber

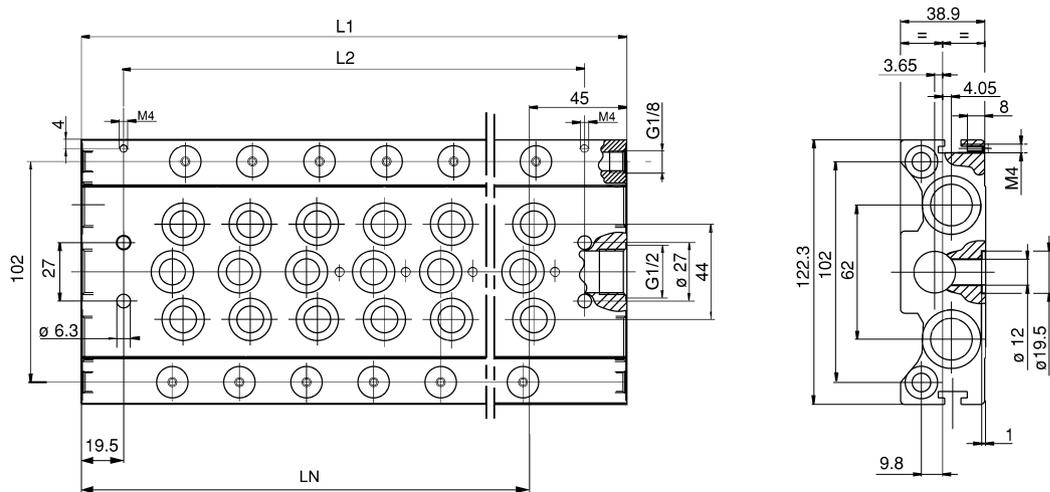
Directional valves → Electrically operated

Series CD07
 Accessories

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Compressed air connection			Number of valve positions	Weight	Part No.
Input	Exhaust	Pilot connection			
[1]	[3 / 5]			[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

Dimensions


D898_203

Part No.	L1	L2	LN								
8985072042	183	144	138								
8985072062	245	206	200								
8985072082	307	268	262								
8985072102	369	330	324								
8985072122	431	392	386								

Directional valves → Electrically operated

Series CD07
Accessories

Accessories, Series CD07

► For R, P, S subbase

Fig.1

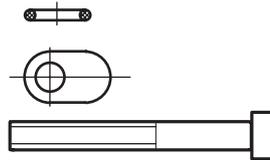


Fig.2

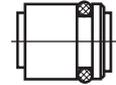
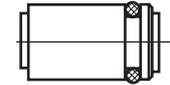


Fig.3



00133201

Part No.	Type	Weight [kg]	Delivery quantity [Piece]	Note					
335460002	mounting kit for 10 valves, delivery incl. seals and mounting screws	0.125	1	Fig. 1					
3354600082	P plug	0.022	1	Fig. 2					
3354600072	R/S plug	0.023	2	Fig. 3					

Blanking plate, for series CD07

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Ambient temperature min./max.
Medium temperature min./max.
Medium
Working pressure min./max.
Number of valve positions

-25 °C / +80 °C
-25 °C / +80 °C
Compressed air
-0.95 bar / 16 bar
1

Materials:
Subbase
Seals

Aluminum
Acrylonitrile Butadiene Rubber

Technical Remarks
<ul style="list-style-type: none"> ■ 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 air pressure must remain constant during the life cycle. ■ Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

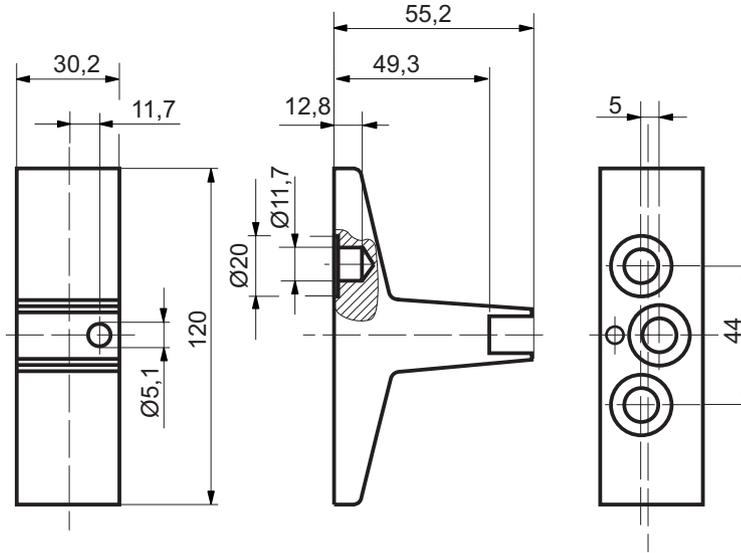
Weight [kg]	Part No.
0.181	3354601024

Directional valves → Electrically operated

Series CD07

Accessories

Dimensions



Silencers, Series SI1

► Sintered bronze



P100_060

Working pressure min./max.
Ambient temperature min./max.
Medium

0 bar / 10 bar
-25 °C / +80 °C
Compressed air

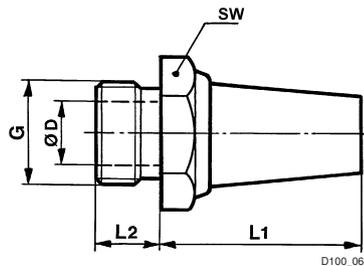
Materials:
Silencers
Thread

Sintered bronze
Brass

Dimensions

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Part No.	Port G	Sound pressure level [db(A)]	Qn [l/min]	SW	Ø D	L1	L2	Weight [kg]	Delivery quantity [Piece]
1827000001	G 1/4	79	2900	17	8.5	25	8	0.02	10
R412004817	G 1/4	-	-	16	8.5	18.7	7.6	0.013	10

Sound pressure level measured at 6 bar at 1 m distance

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for detailed information
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Directional valves → Electrically operated

Series CD07
Accessories

Silencers, Series SI1
► Sintered bronze



00128791

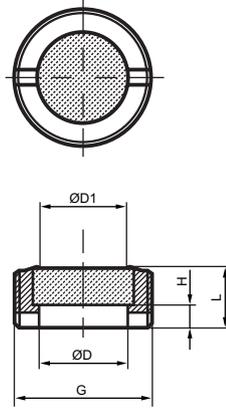
Working pressure min./max.
Ambient temperature min./max.
Medium

0 bar / 10 bar
-25 °C / +80 °C
Compressed air

Materials:
Silencers
Thread

Sintered bronze
Brass

Dimensions



00129904

Part No.	Port G	Ø D	Ø D1	H	L	Delivery quantity [Piece]					
R414000155	G 1/4	8	6	3	6	10					

Silencers, Series SI1
► Sintered bronze



P100_037

Working pressure min./max.
Ambient temperature min./max.
Medium

0 bar / 10 bar
-25 °C / +80 °C
Compressed air

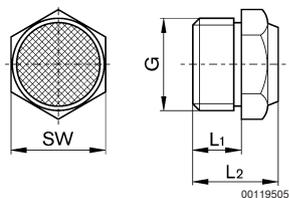
Materials:
Silencers
Thread

Sintered bronze
Brass

Directional valves → Electrically operated

Series CD07
Accessories

Dimensions



Part No.	Port G	Sound pressure level [db(A)]	Qn [l/min]	L1	L2	SW	Weight [kg]	Delivery quantity [Piece]		
1827000033	G 1/4	88	900	8	13.5	17	0.01	10		

Sound pressure level measured at 6 bar at 1 m distance

Silencers, Series SI1

► Polyethylene



P100_064

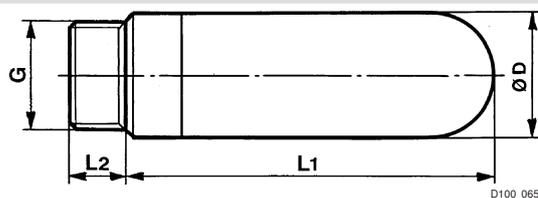
Working pressure min./max.
Ambient temperature min./max.
Medium

0 bar / 10 bar
-25 °C / +80 °C
Compressed air

Materials:
Silencers
Thread

Polyethylene
Polyethylene

Dimensions



D100_065

Part No.	Port G	Sound pressure level [db(A)]	Qn [l/min]	Ø D	L1	L2	Weight [kg]	Delivery quantity [Piece]		
1827000020	G 1/4	80	3100	15.5	34.5	8	0.003	5		

Sound pressure level measured at 6 bar at 1 m distance

Directional valves → Electrically operated

Series CD07
AccessoriesBlanking screw, gasket
► G 1/4 ► VERSCHLUSSSCHRAUBE

00110668

Ambient temperature min./max.
Working pressure min./max.

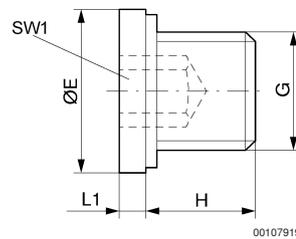
-20 °C / +80 °C
0 bar / 16 bar

Materials:

Screw
Housing
Seal
Thread

Steel, galvanized
Steel, galvanized
Polyvinyl chloride, hard
Steel, galvanized

Dimensions



00107919

Part No.	Port G	Ø E	H	L1	SW1							
1823A62029	G 1/4	18	12	3	6							

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