Electric Drives and Controls | Hydraulics | Linear Motion and Assembly Technologies | Pneumatics | Service

Rexroth
Bosch Group

Directional valves → Mechanically operated

Series CD07

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Brochure

Directional valves → Mechanically operated

Series CD07

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Directional valves → Mechanically operated

3/2-way valve, Series CD07

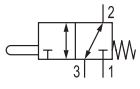
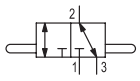
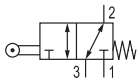
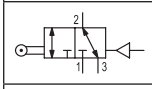
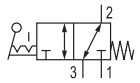
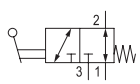
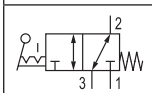
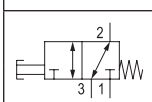
► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

00134151

Version	Spool valve, zero overlap
Sealing principle	soft sealing
Working pressure min./max.	-0.95 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Materials:	
Housing	
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“.
- 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.

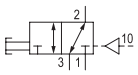
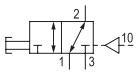
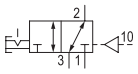
	Control element	Version	version pneumatic port	Compressed air connection				Qn	Part No.
				Input	Output	Exhaust	Pilot connection		
								[l/min]	
	Plunger	NC/NO	according to ISO 228-1 -	G 1/4 M14x1,5	G 1/4 M14x1,5	G 1/4 M14x1,5	-	1400	**5634400100** 5634400000
	Plunger	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	1400	5634409010
	Roller	NC/NO	according to ISO 228-1 -	G 1/4 M14x1,5	G 1/4 M14x1,5	G 1/4 M14x1,5	-	1400	**5634410100** 5634410000
	Roller	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	G 1/8	1400	5634411100
	Hand lever, with detent, without detent	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	1400	5634430100
	Hand lever	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	1400	5634440100
	Lever, horizontal, with detent	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	1400	5634450100
	Button	NC/NO	according to ISO 228-1 -	G 1/4 M14x1,5	G 1/4 M14x1,5	G 1/4 M14x1,5	-	1400	**5634460100** 5634460000

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

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

	Control element	Version	version pneumatic port	Compressed air connection				Qn	Part No.
				Input	Output	Exhaust	Pilot connection		
								[l/min]	
	Button	NC/NO	according to ISO 228-1 -	G 1/4 M14x1,5	G 1/4 M14x1,5	G 1/4 M14x1,5	G 1/8 M10x1	1400	**5634461100** **5634461000**
	Button Mushroom button, black	NC/NO	-	M14x1,5	M14x1,5	M14x1,5	M12x1,5 -	1400	5634469110 **5634469100**
	Mushroom button, red Button	NC/NO	-	M14x1,5	M14x1,5	M14x1,5	M10x1	1400	**5634469120** **5634469310**

Part No.	Qn 1 → 2	Qn 2 → 3	operating force Min.	Control pressure min./max.	Material: Housing	Material: Actuating control	Weight	Note
	[l/min]	[l/min]	[N]	[bar]			[kg]	
5634400100 5634400000	1400	1400	70	-	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0.45	Fig. 1
5634409010	1400	1400	40	-	Die cast zinc	Stainless steel	0.45	Fig. 2
5634410100 5634410000	1400	1400	40	-	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0.5 0.45	Fig. 3
5634411100	1400	1400	40	2 / 10	Die cast zinc	Stainless steel	0.5	Fig. 4
5634430100	1400	1400	20	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.53	Fig. 5
5634440100	1400	1400	15	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.5	Fig. 6
5634450100	1400	1400	15	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.55	Fig. 7
5634460100 5634460000	1400	1400	70	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.45	Fig. 8
5634461100 **5634461000**	1400	1400	40	2 / 10	Die cast zinc, Polyamide, fiber-glass reinforced Die cast zinc	Polyoxymethylene	0.45	Fig. 8
5634469110 **5634469100**	1400	1400	40 70	5 / 10 -	Die cast zinc Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.45	Fig. 9 Fig. 10
5634469120 **5634469310**	1400	1400	70 40	2 / 10 3 / 10	Die cast zinc	Polyoxymethylene	0.45	Fig. 10 Fig. 11

Nominal flow Qn at 6 bar and Δp = 1 bar

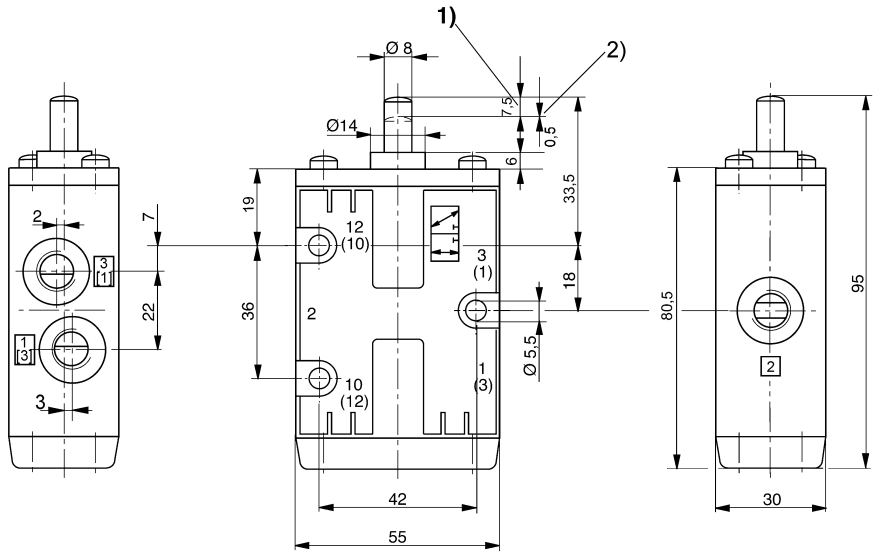
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for detailed information

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 1



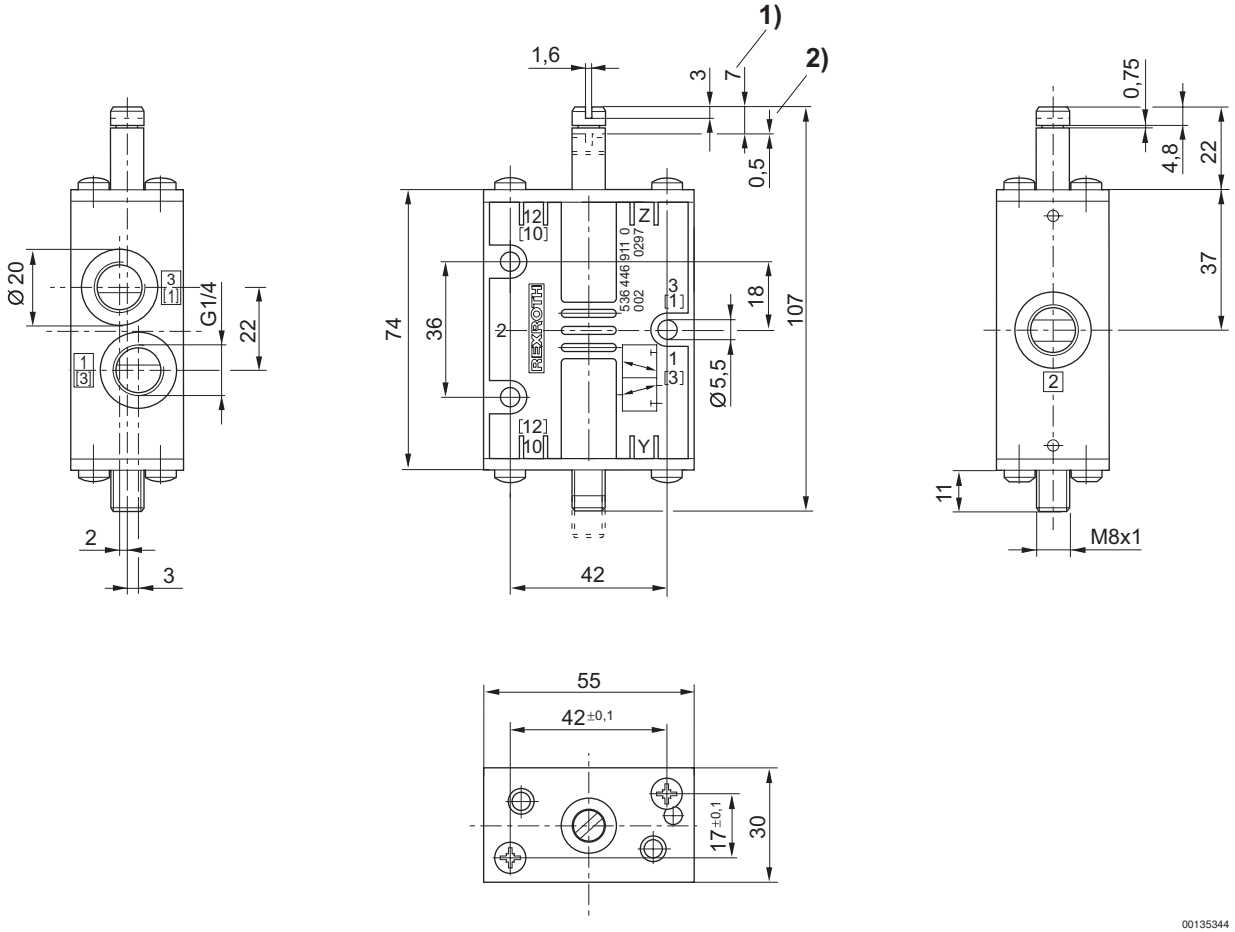
1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 2



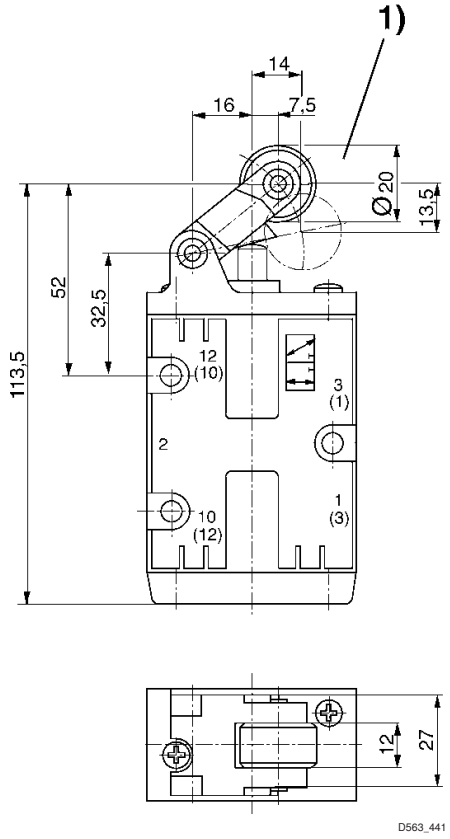
1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 3



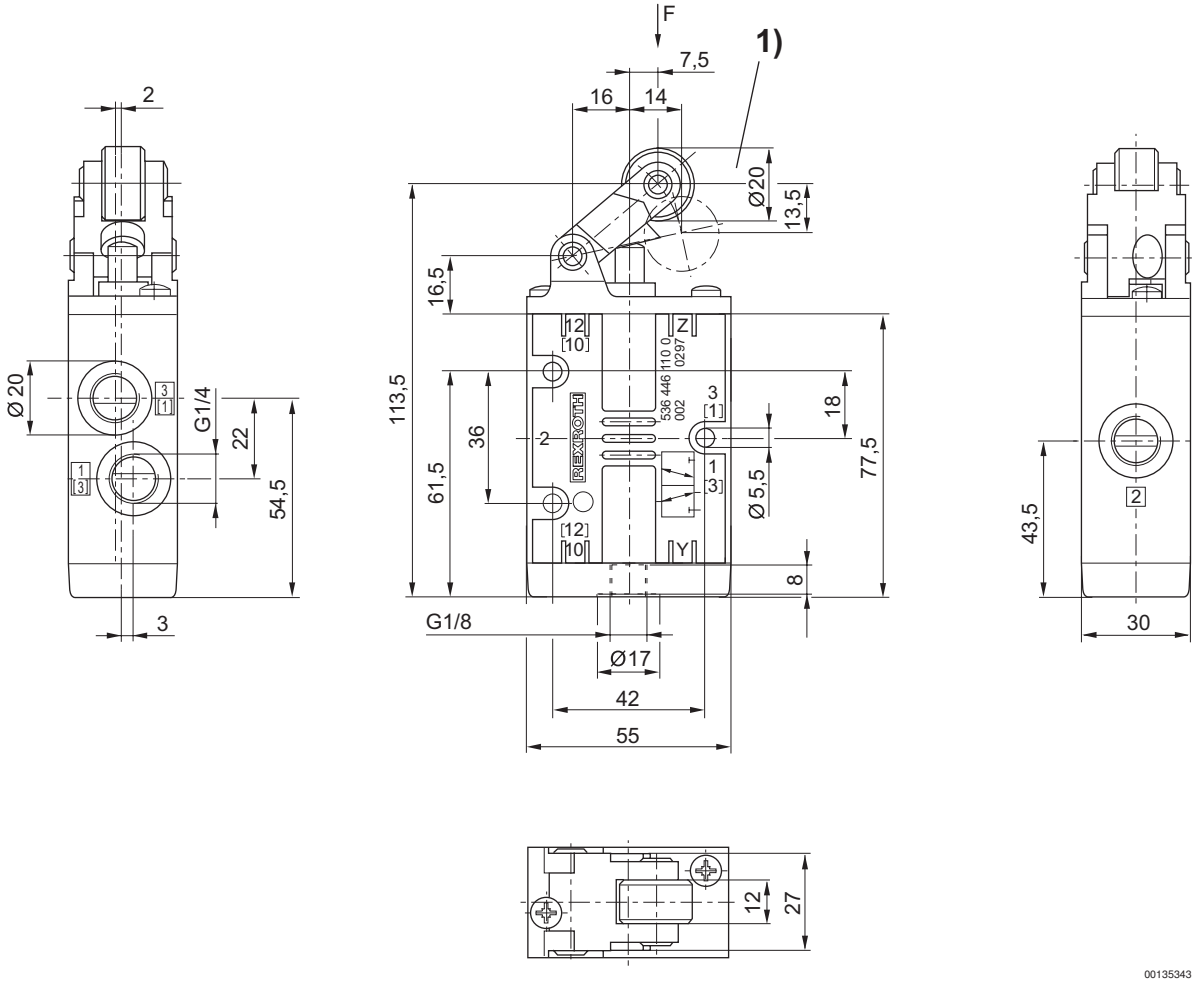
1) approach angle of rollers max. 30°
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 4

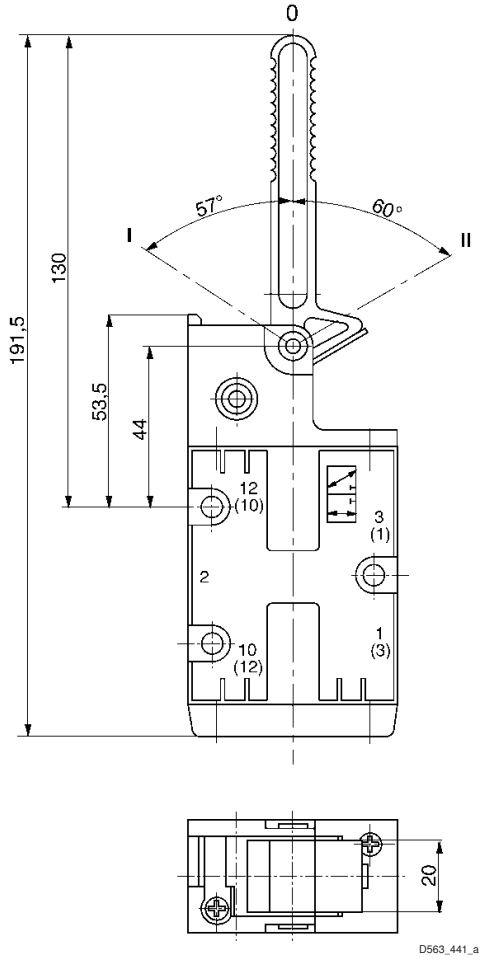


1) approach angle of rollers max. 30°
Dimensions of basic valve apply to all types of actuation.

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 5

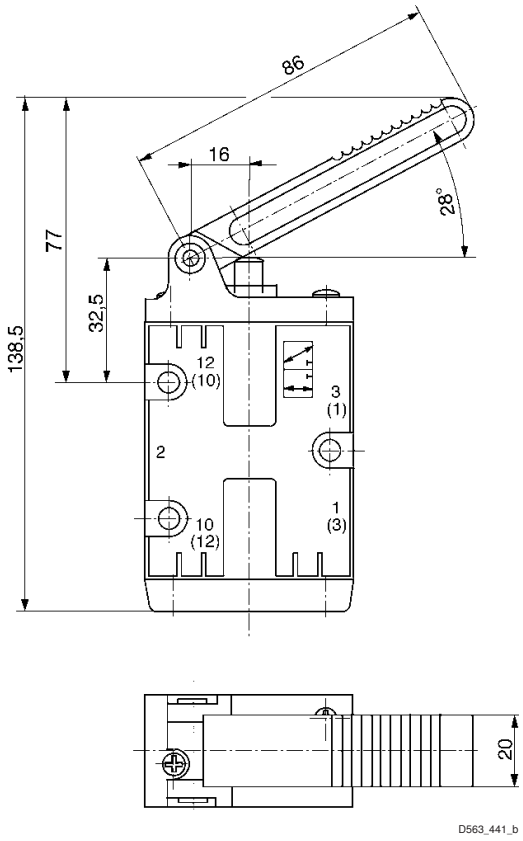


Position 0: initial position, position I: automatic spring return, position II: with detent; manual return
Dimensions of basic valve apply to all types of actuation.

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 6



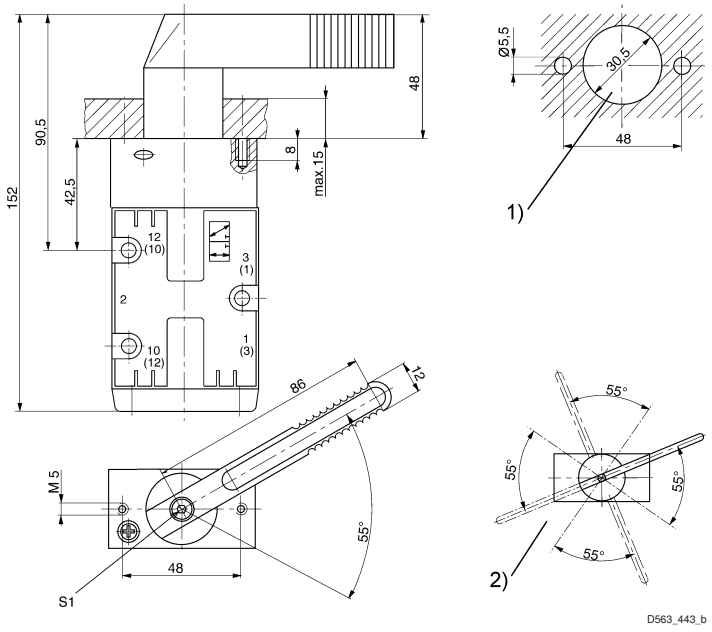
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 7

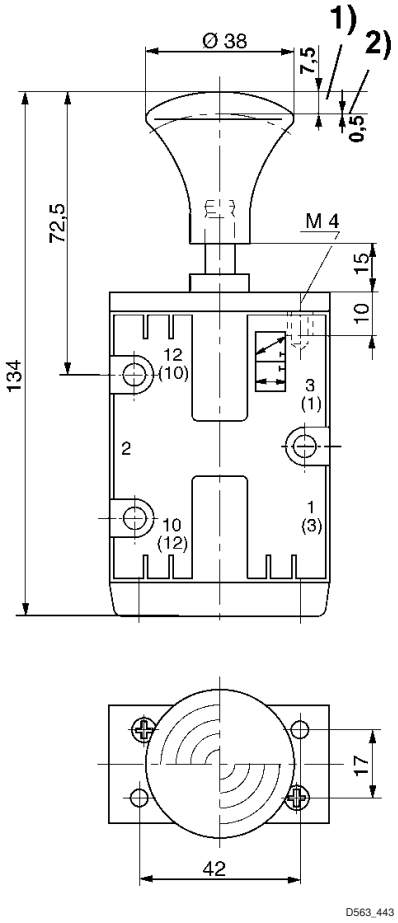


1) control panel installation (holes in mounting panel)
2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw “S1”).

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 8

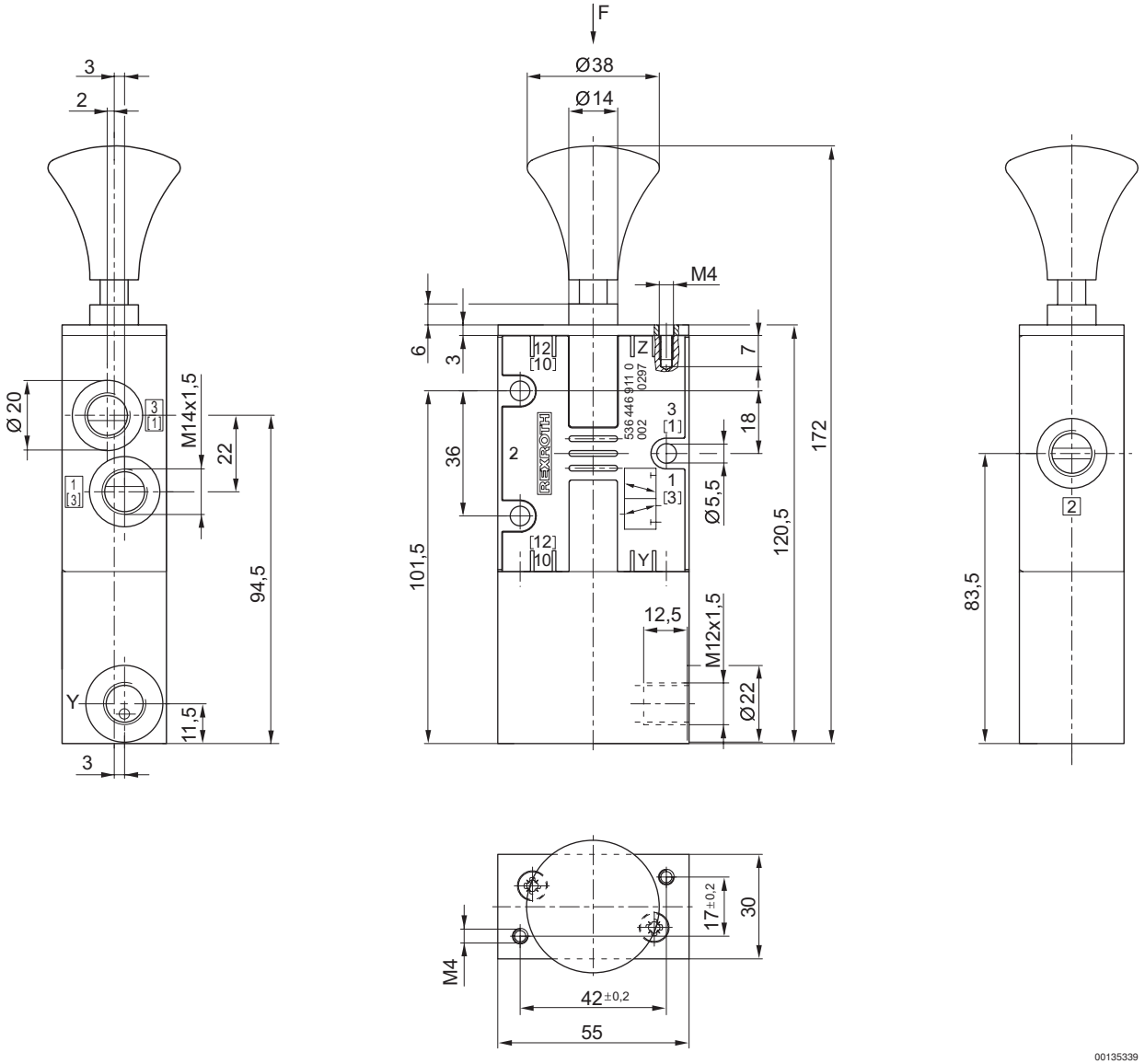


1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 9

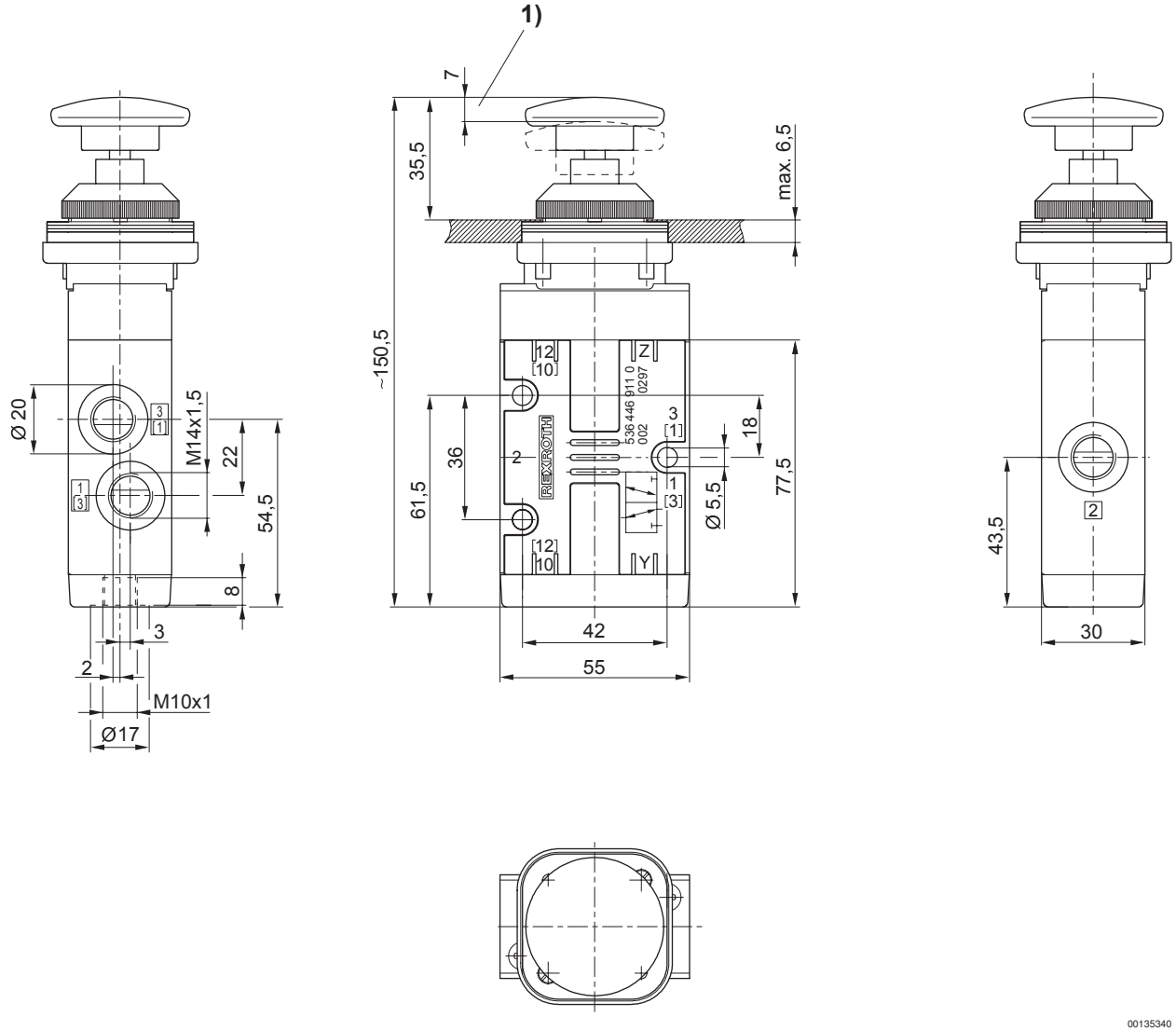


Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 10, panel installation



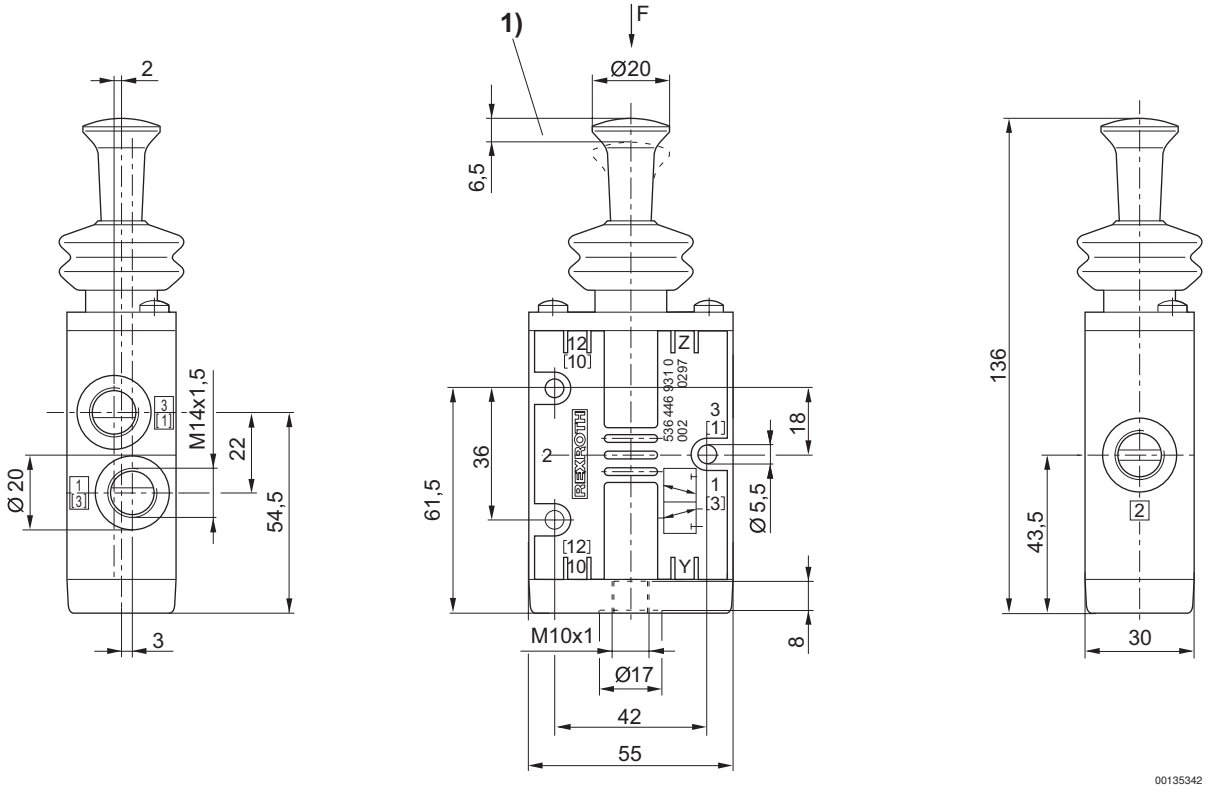
1) Stroke
panel mounting hole Ø30 mm
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

3/2-way valve, Series CD07

► Qn= 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 - M14x1,5

Dimensions, Fig. 11

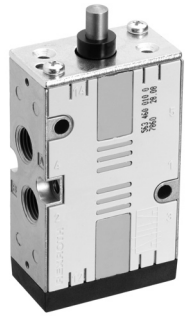


1) Stroke
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

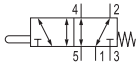
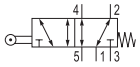
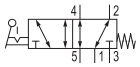
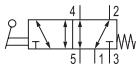
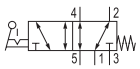
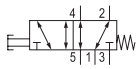
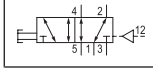


00134152

Version	Spool valve, zero overlap
Sealing principle	soft sealing
Working pressure min./max.	-0.95 bar / 10 bar
Ambient temperature min./max.	-25 °C / +80 °C
Medium temperature min./max.	-25 °C / +80 °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
Materials:	
Housing	
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“.

	Control element	Compressed air connection				Qn	Qn 1 → 2	Qn 2 → 3	operating force Min.	Part No.
		Input	Output	Exhaust	Pilot connection					
						[l/min]	[l/min]	[l/min]	[N]	
	Plunger	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	70	5634600100
	Roller	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	40	5634610100
	Hand lever, with detent, without detent	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	20	5634630100
	Hand lever	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	15	5634640100
	Rotary lever, with detent	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	15	5634650100
	Button	G 1/4	G 1/4	G 1/4	-	1200	1200	1200	70	5634660100
	Button	G 1/4	G 1/4	G 1/4	G 1/8	1200	1200	1200	80	5634669200

Directional valves → Mechanically operated

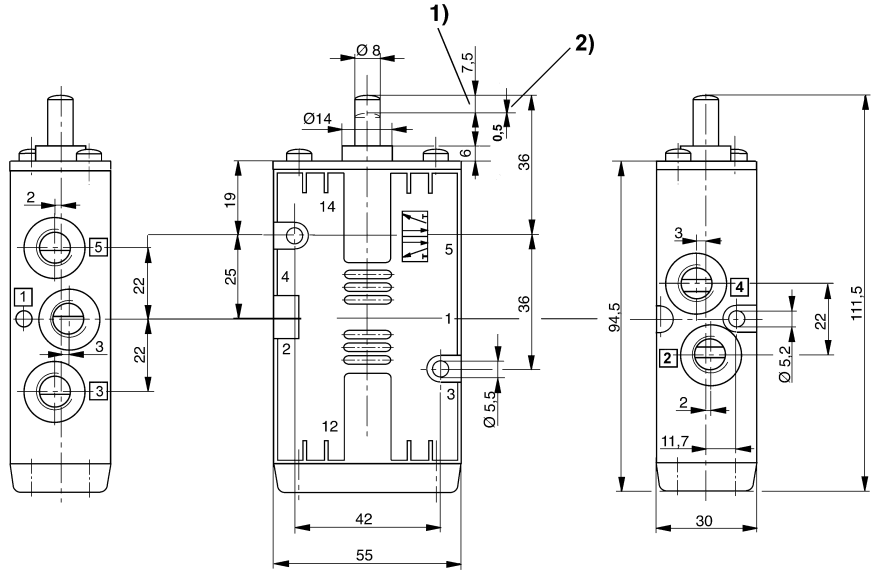
5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Part No.	Control pressure min./max.	Material: Housing	Material: Actuating control	Weight	Note
	[bar]			[kg]	
5634600100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0.54	1); Fig. 1
5634610100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0.59	Fig. 2
5634630100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.62	Fig. 3
5634640100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.59	Fig. 4
5634650100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.64	Fig. 5
5634660100	-	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0.54	Fig. 6
5634669200	5 / 10	Die cast zinc	Polyoxymethylene	0.54	Fig. 7

1) ATEX suitable: II 2GD T4 (zone 1, 21), II 3GD T4 (zone 2, 22)
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions, Fig. 1



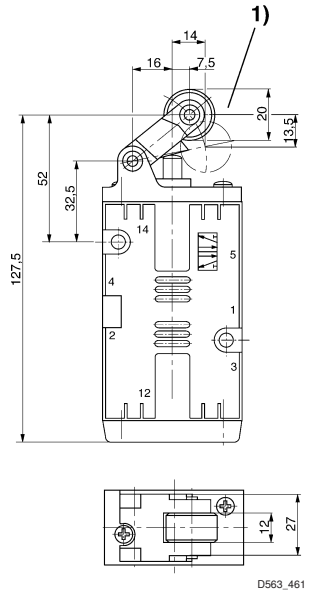
1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

Directional valves → Mechanically operated

5/2-way valve, Series CD07

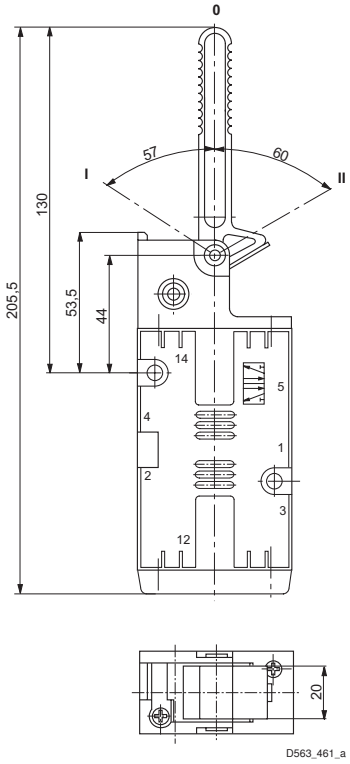
► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Dimensions, Fig. 2



1) approach angle of rollers max. 30°

Dimensions, Fig. 3



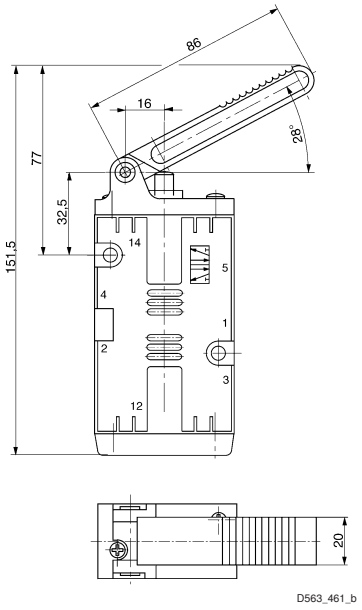
Position 0: initial position, position I: automatic spring return, position II: with detent; manual return

Directional valves → Mechanically operated

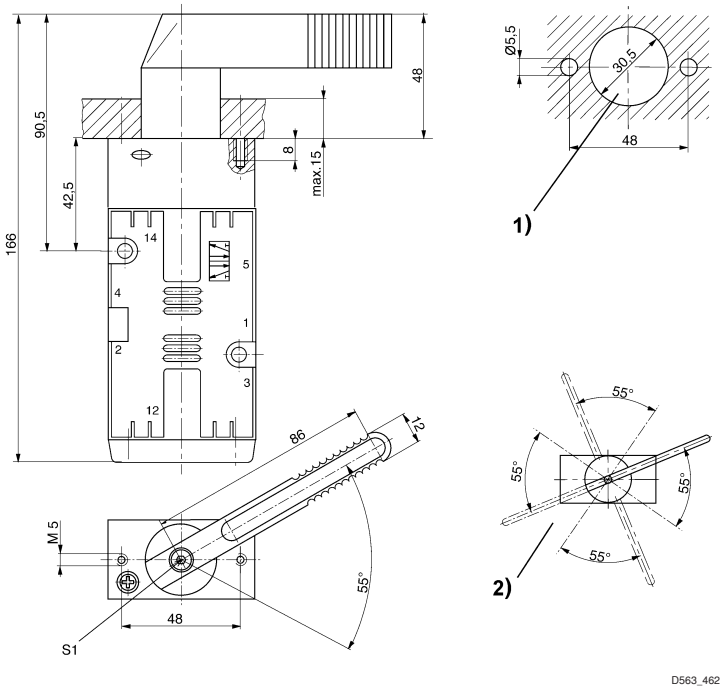
5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Dimensions, Fig. 4



Dimensions, Fig. 5

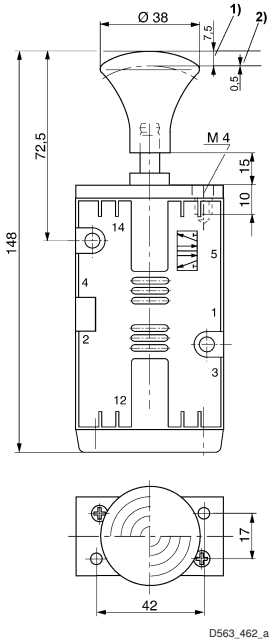


1) control panel installation (holes in mounting panel)
2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw “S1”).

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Dimensions, Fig. 6



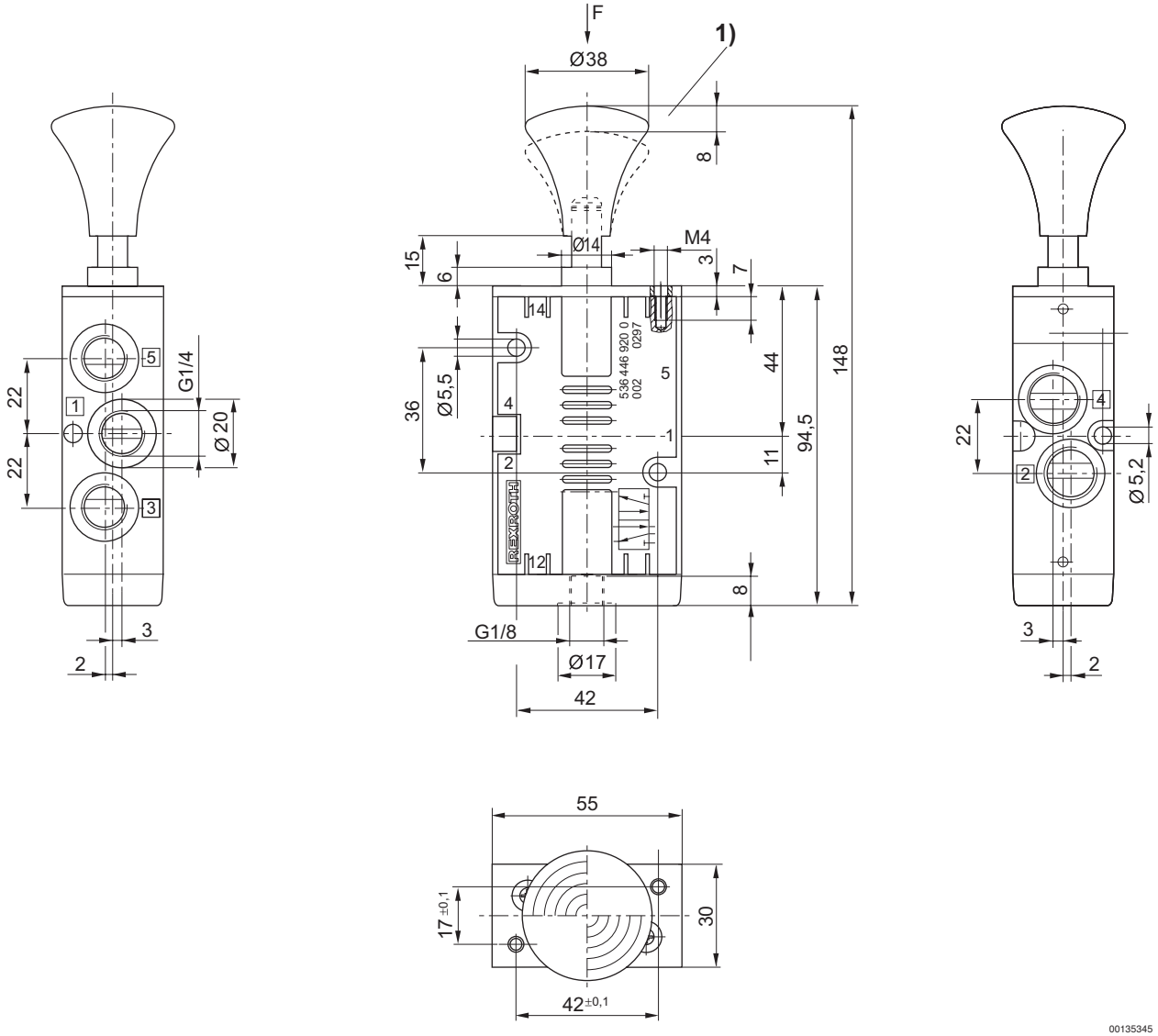
1) Stroke 2) Overstroke

Directional valves → Mechanically operated

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Dimensions, Fig. 7



1) Stroke

Directional valves → Mechanically operated

5/2-way valve, Series CD07

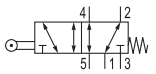
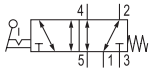
► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4 ► cold-resistant

00134153

Version	Spool valve, zero overlap
Sealing principle	soft sealing
Working pressure min./max.	-0.95 bar / 10 bar
Ambient temperature min./max.	-40 °C / +70 °C
Medium temperature min./max.	-40 °C / +70 °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
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber; 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“.

	Control element	Compressed air connection			Qn	Qn 1 → 2	Qn 2 → 3	operating force Min.	Part No.
		Input	Output	Exhaust					
					[l/min]	[l/min]	[l/min]	[N]	
	Roller	G 1/4	G 1/4	G 1/4	1200	1200	1200	52	5634610190
	Hand lever, with detent, without detent	G 1/4	G 1/4	G 1/4	1200	1200	1200	26	5634630190

Part No.	Material: Actuating control	Weight	Note
		[kg]	
5634610190	Polyoxymethylene	0.59	Fig. 1
5634630190	Polyoxymethylene; Aluminum	0.62	Fig. 2

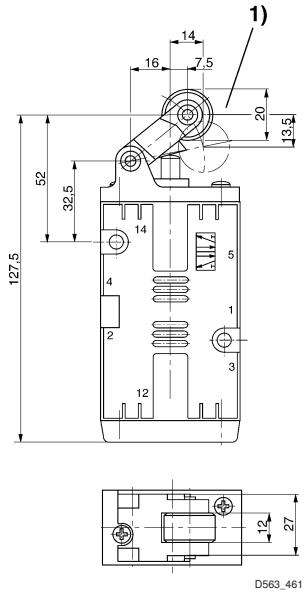
Nominal flow Qn at 6 bar and Δp = 1 bar

Directional valves → Mechanically operated

5/2-way valve, Series CD07

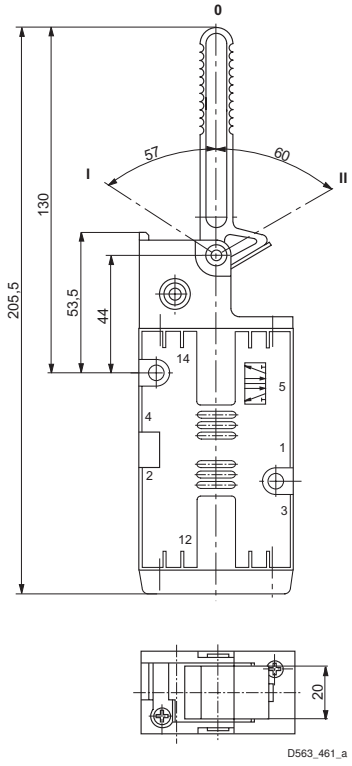
► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4 ► cold-resistant

Dimensions, Fig. 1



1) approach angle of rollers max. 30°

Dimensions, Fig. 2

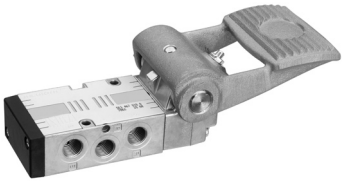


Position 0: initial position, position I: automatic spring return, position II: with detent; manual return

Directional valves → Mechanically operated

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

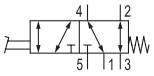


00134154

Version	Spool valve, zero overlap
Control element	Pedal
Sealing principle	soft sealing
Working pressure min./max.	-0.95 bar / 10 bar
Ambient temperature min./max.	-25°C / +80°C
Medium temperature min./max.	-25°C / +80°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
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber
Control element	Aluminum

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“.

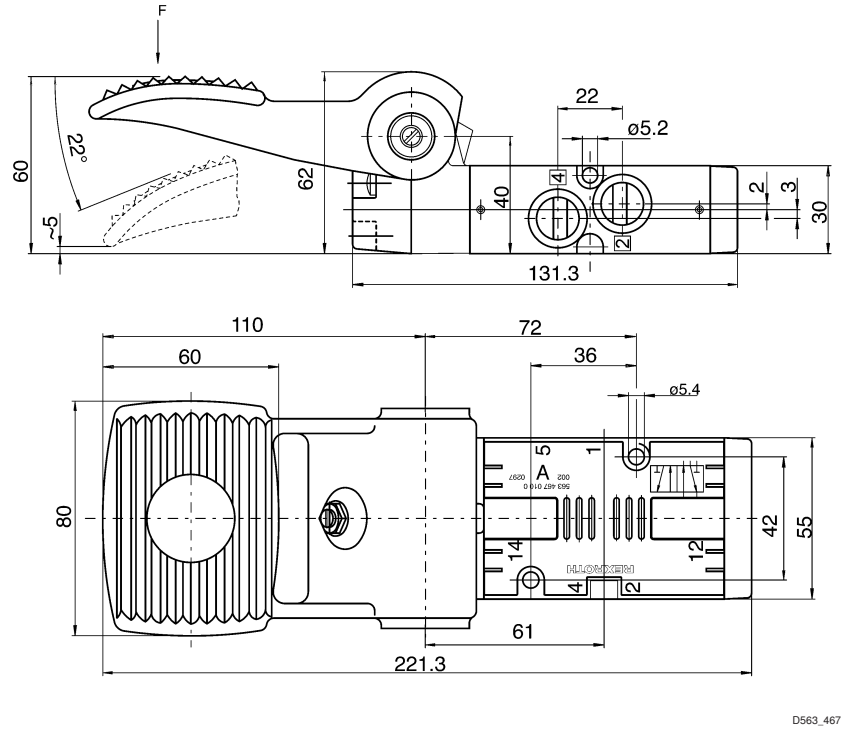
	Compressed air connection			Qn	Qn 1 → 2	Qn 2 → 3	operating force Min.	Weight	Part No.
	Input	Output	Exhaust						
				[l/min]	[l/min]	[l/min]	[N]	[kg]	
	G 1/4	G 1/4	G 1/4	1200	1200	1200	40	0.76	5634670100

Nominal flow Qn at 6 bar and Δp = 1 bar

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

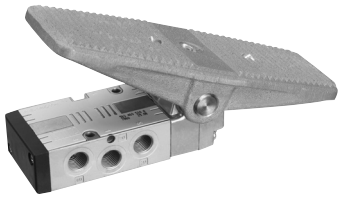
Dimensions



Directional valves → Mechanically operated

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

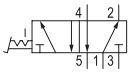


00134155

Version	Spool valve, zero overlap not lockable
Control element	Pedal, with detent
Sealing principle	soft sealing
Working pressure min./max.	-0.95 bar / 10 bar
Ambient temperature min./max.	-25 °C / +80 °C
Medium temperature min./max.	-25 °C / +80 °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
Materials:	
Housing	Polyamide, fiber-glass reinforced; Die cast zinc
Seals	Acrylonitrile Butadiene Rubber
Control element	Aluminum

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“.

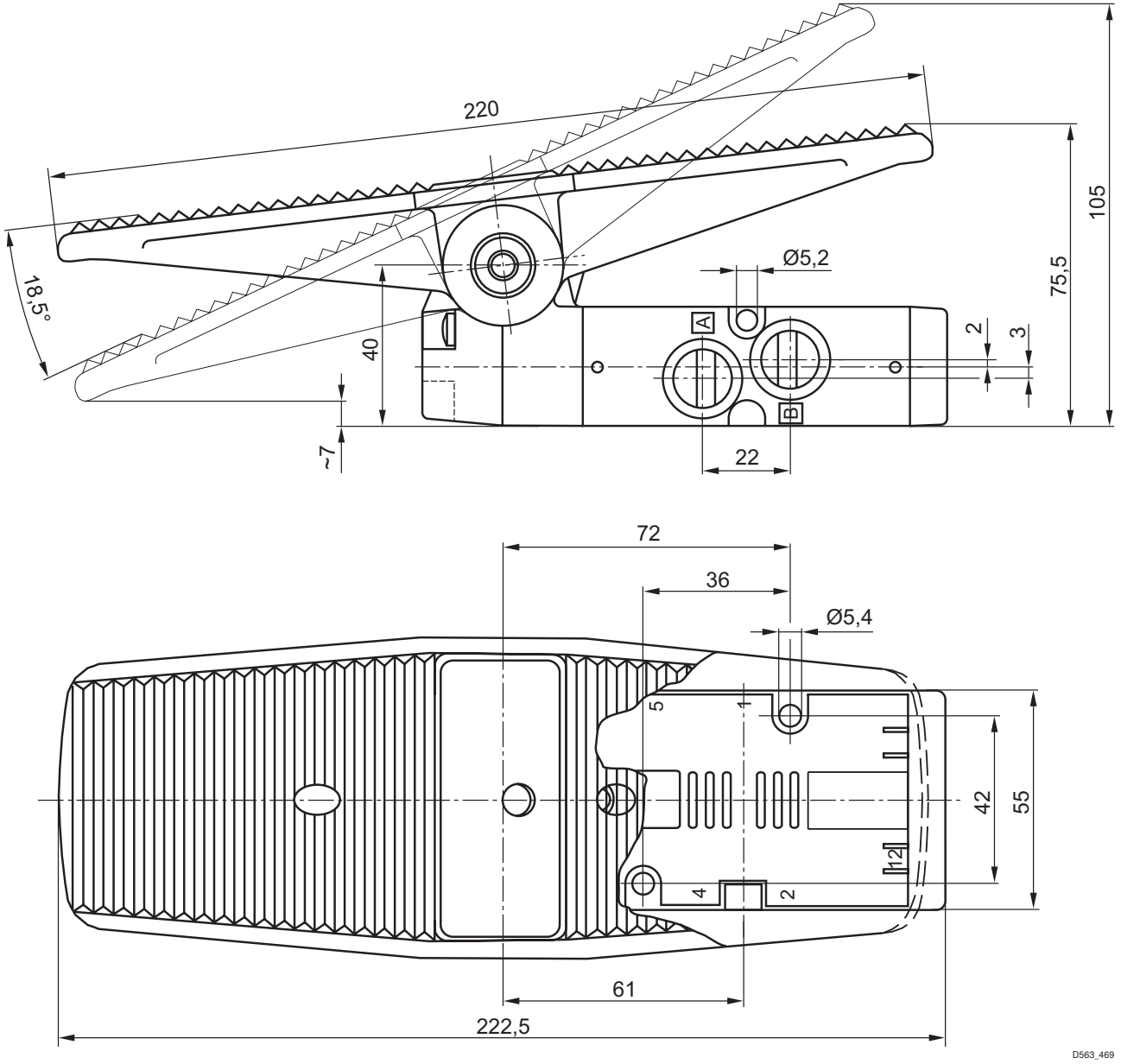
	Compressed air connection			Qn	Qn 1 → 2	Qn 2 → 3	operating force Min.	Weight	Part No.
	Input	Output	Exhaust						
				[l/min]	[l/min]	[l/min]	[N]	[kg]	
	G 1/4	G 1/4	G 1/4	1200	1200	1200	40	1.56	5634695100

Nominal flow Qn at 6 bar and Δp = 1 bar

5/2-way valve, Series CD07

► Qn= 1200 l/min ► pipe connection ► compressed air connection output: G 1/4

Dimensions



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