

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 ► suitable for ATEX



00134151

Version
Sealing principle
Working pressure min./max.
Ambient temperature min./max.
Medium temperature min./max.
Medium
Max. particle size
Oil content of compressed air

Spool valve, zero overlap
soft sealing
-0.95 bar / 10 bar
-25 °C / +80 °C
-25 °C / +80 °C
Compressed air
50 µm
0 mg/m³ - 1 mg/m³

Materials:
Seals

Acrylonitrile Butadiene Rubber

Technical Remarks

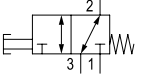
- option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

	Actuating element	Version	version pneumatic port	Compressed air connection				Part No.
				Input	Output	Exhaust	Pilot connection	
	Plunger	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634400100
	Plunger	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634409010
	Roller	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634410100
	Roller	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	G 1/8	5634411100
	Hand lever, with detent, without detent	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634430100
	Hand lever	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634440100
	Lever, horizontal, with detent	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634450100
	Button	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	-	5634460100
	Button	NC/NO	according to ISO 228-1	G 1/4	G 1/4	G 1/4	G 1/8	5634461100

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				Input	Output	Exhaust	Pilot connection	
	Mushroom button, black	NC/NO	-	M14x1,5	M14x1,5	M14x1,5	-	5634469100

Part No.	Qn	Qn 1 → 2	Qn 2 → 3	Actuating force Min.	Control pressure min./max.	Material: Housing	Material: Actu- ating control	Weight	Fig.
	[l/min]	[l/min]	[l/min]	[N]	[bar]			[kg]	
5634400100	1400	1400	1400	70	-	Die cast zinc; Polyamide, fiber-glass reinforced	Stainless steel	0.45	Fig. 1
5634409010	1400	1400	1400	40	-	Die cast zinc	Stainless steel	0.45	Fig. 2
5634410100	1400	1400	1400	40	-	Die cast zinc; Polyamide, fiber-glass reinforced	Stainless steel	0.5	Fig. 3
5634411100	1400	1400	1400	40	2 / 10	Die cast zinc	Stainless steel	0.5	Fig. 4
5634430100	1400	1400	1400	20	-	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.53	Fig. 5
5634440100	1400	1400	1400	15	-	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.5	Fig. 6
5634450100	1400	1400	1400	15	-	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.55	Fig. 7
5634460100	1400	1400	1400	70	-	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.45	Fig. 8
5634461100	1400	1400	1400	40	2 / 10	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.45	Fig. 8
5634469100	1400	1400	1400	70	-	Die cast zinc; Polyamide, fiber-glass reinforced	Polyoxymeth- ylene	0.45	Fig. 9

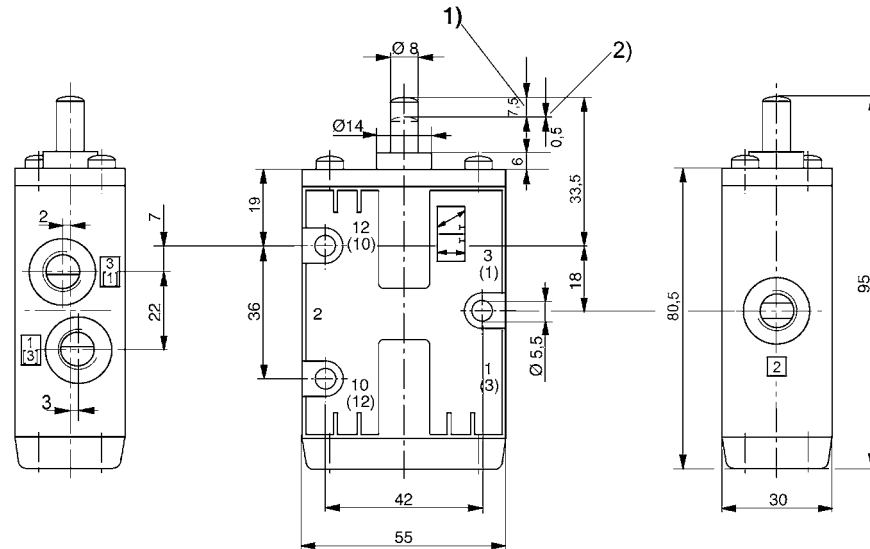
Nominal flow Qn at 6 bar and Δp = 1 bar

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Dimensions, Fig. 1



1) Stroke 2) Overstroke

Dimensions of basic valve apply to all types of actuation.

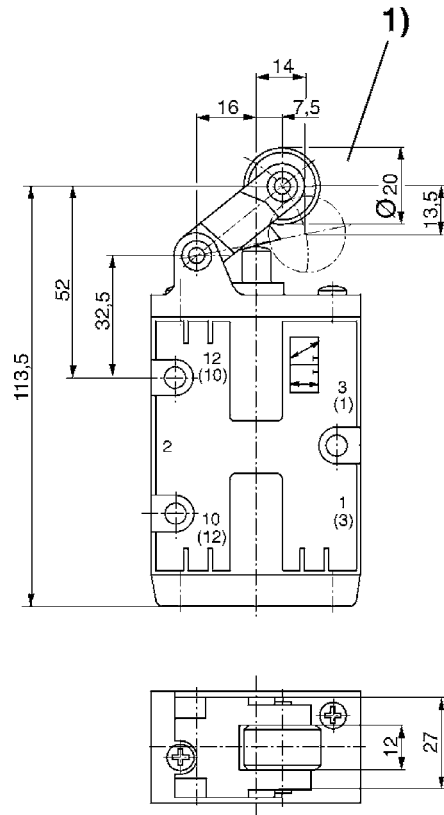
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Dimensions, Fig. 3



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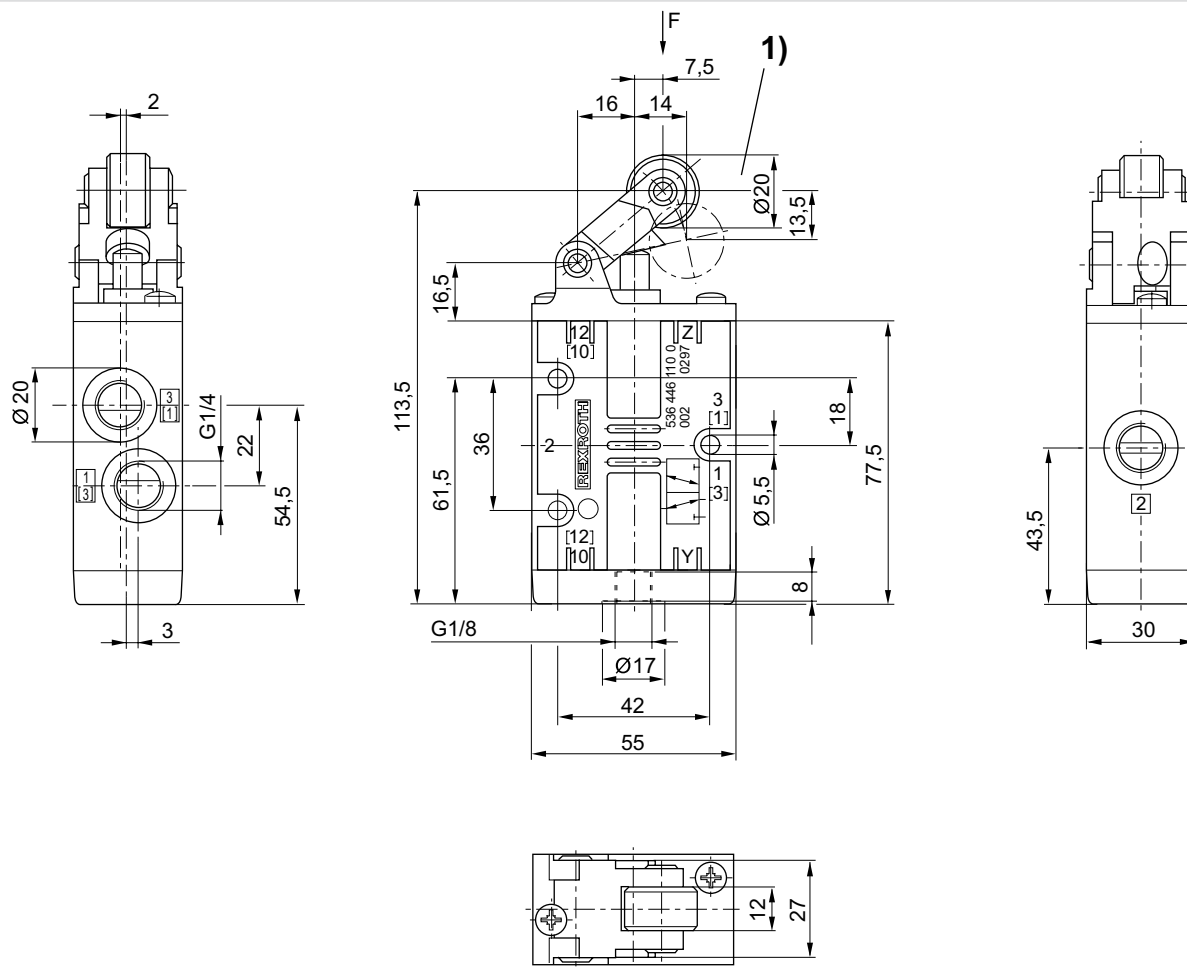
1) approach angle of rollers max. 30°
Dimensions of basic valve apply to all types of actuation.

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Dimensions, Fig. 4



1) approach angle of rollers max. 30°

Dimensions of basic valve apply to all types of actuation.

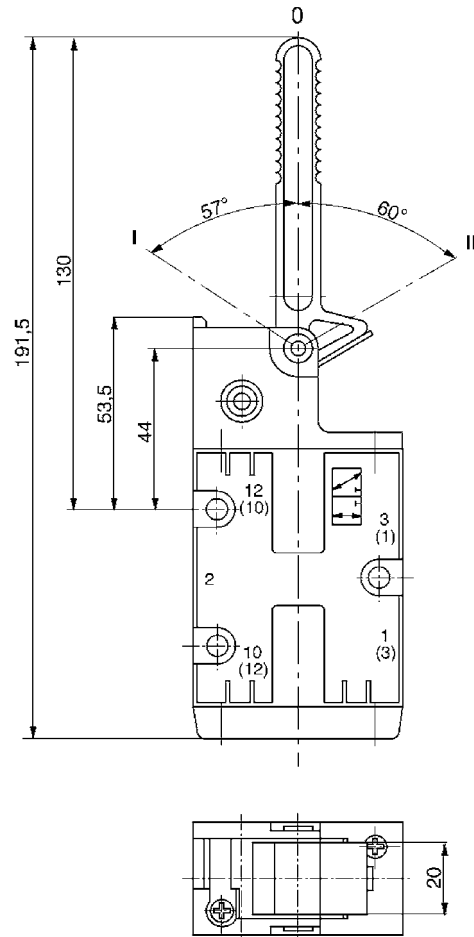
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Dimensions, Fig. 5

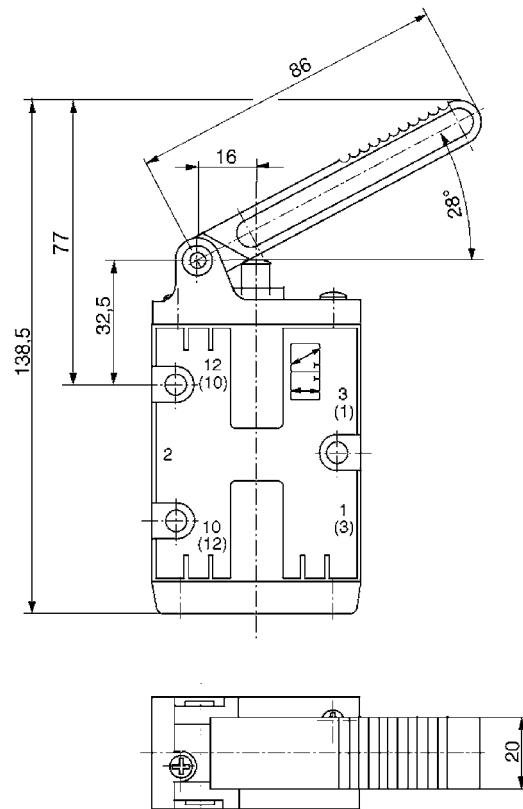


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Position 0: initial position, position I: automatic spring return, position II: with detent; manual return
Dimensions of basic valve apply to all types of actuation.

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Dimensions, Fig. 6


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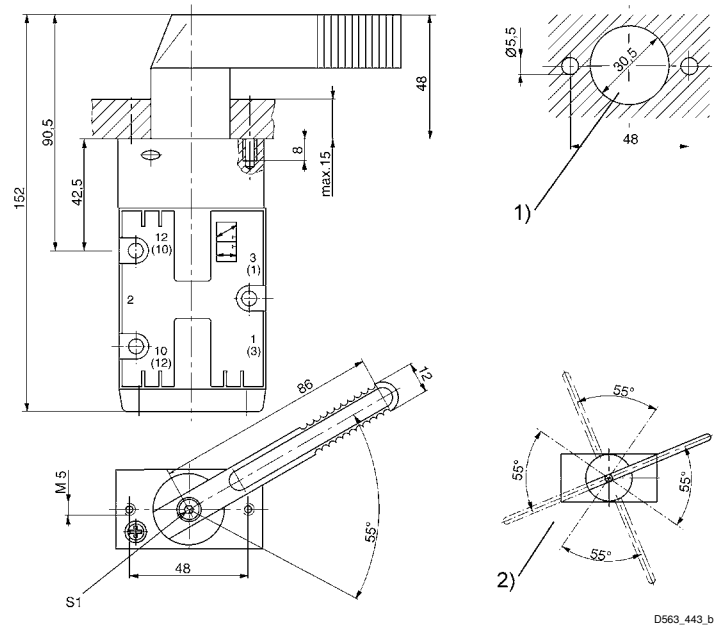
Dimensions of basic valve apply to all types of actuation.

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Dimensions, Fig. 7



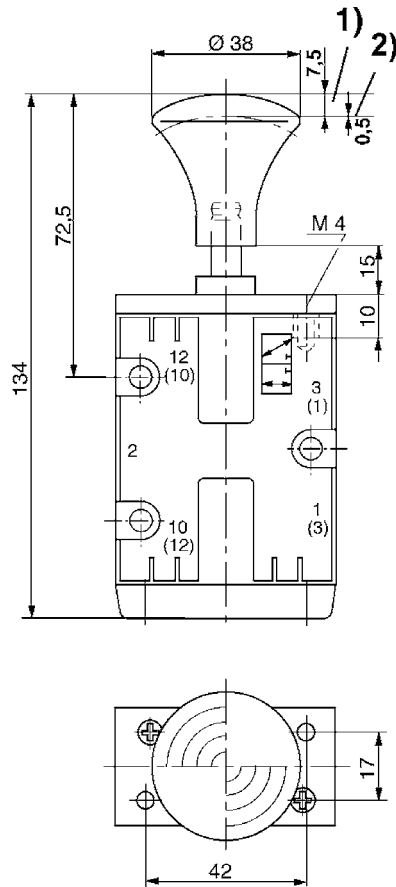
1) control panel installation (holes in mounting panel)

2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw "S1").

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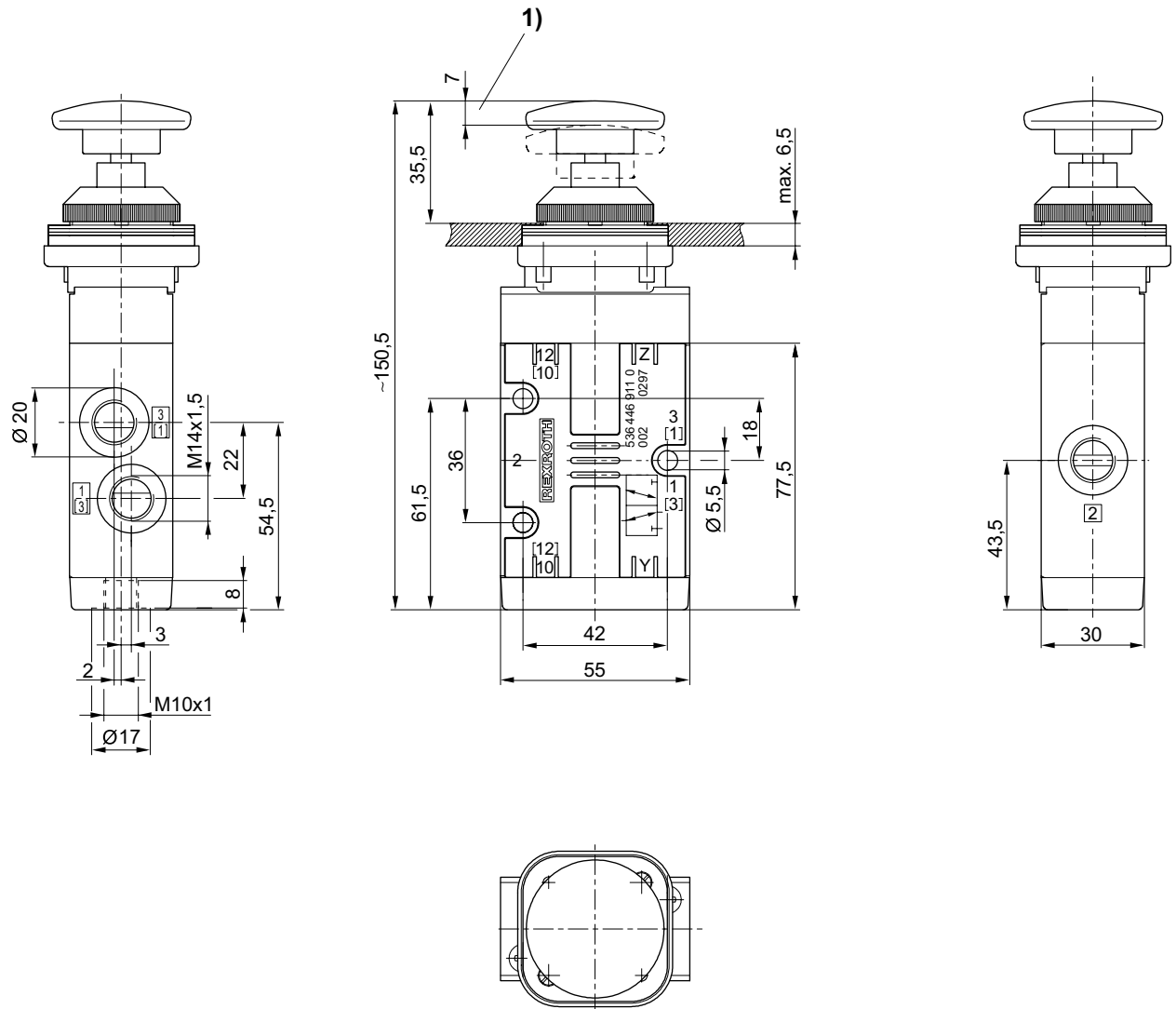
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Dimensions, Fig. 8



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

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

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