

3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX



Type	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	1400 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Oil content of compressed air	0 ... 1 mg/m ³
Weight	See table below

Technical data

Part No.		Actuating element	Version	Compressed air connection type
5634400100		Plunger	NC/NO	Internal thread
5634409010		Plunger	NC/NO	-
5634410100		Roller	NC/NO	Internal thread
5634411100		Roller	NC/NO	-
5634430100		Hand lever, with detent, without detent	NC/NO	Internal thread
5634440100		Hand lever	NC/NO	Internal thread
5634450100		Lever, horizontal, with detent	NC/NO	Internal thread
5634460100		Button	NC/NO	Internal thread
5634461100		Button	NC/NO	Internal thread

Part No.	Compressed air connection Input	Compressed air connection Output	Compressed air connection Exhaust
5634400100	G 1/4	G 1/4	G 1/4
5634409010	G 1/4	G 1/4	G 1/4
5634410100	G 1/4	G 1/4	G 1/4
5634411100	G 1/4	G 1/4	G 1/4
5634430100	G 1/4	G 1/4	G 1/4
5634440100	G 1/4	G 1/4	G 1/4
5634450100	G 1/4	G 1/4	G 1/4
5634460100	G 1/4	G 1/4	G 1/4
5634461100	G 1/4	G 1/4	G 1/4

Part No.	Compressed air connection Pilot control exhaust	Operating force	Control pressure min./max.
		min.	
5634400100	-	70 N	-
5634409010	-	40 N	-
5634410100	-	40 N	-

Part No.	Compressed air connection Pilot control exhaust	Operating force	Control pressure min./max.
		min.	
5634411100	G 1/8	40 N	2 ... 10 bar
5634430100	-	20 N	-
5634440100	-	15 N	-
5634450100	-	15 N	-
5634460100	-	70 N	-
5634461100	G 1/8	40 N	2 ... 10 bar

Part No.	Housing material	Material actuating control	Weight
5634400100	Die cast zinc Polyamide fiber-glass reinforced	Stainless steel	0,45 kg
5634409010	Die cast zinc	Stainless steel	0,45 kg
5634410100	Die cast zinc Polyamide fiber-glass reinforced	Stainless steel	0,5 kg
5634411100	Die cast zinc	Stainless steel	0,5 kg
5634430100	Die cast zinc Polyamide fiber-glass reinforced	Polyoxymethylene	0,53 kg
5634440100	Die cast zinc Polyamide fiber-glass reinforced	Polyoxymethylene	0,5 kg
5634450100	Die cast zinc Polyamide fiber-glass reinforced	Polyoxymethylene	0,55 kg
5634460100	Die cast zinc Polyamide fiber-glass reinforced	Polyoxymethylene	0,45 kg
5634461100	Die cast zinc Polyamide fiber-glass reinforced	Polyoxymethylene	0,45 kg

Part No.	Fig.
5634400100	Fig. 1
5634409010	Fig. 2
5634410100	Fig. 3
5634411100	Fig. 4
5634430100	Fig. 5
5634440100	Fig. 6
5634450100	Fig. 7
5634460100	Fig. 8
5634461100	Fig. 8

Nominal flow Q_n at 6 bar and Δp = 1 bar

Technical information

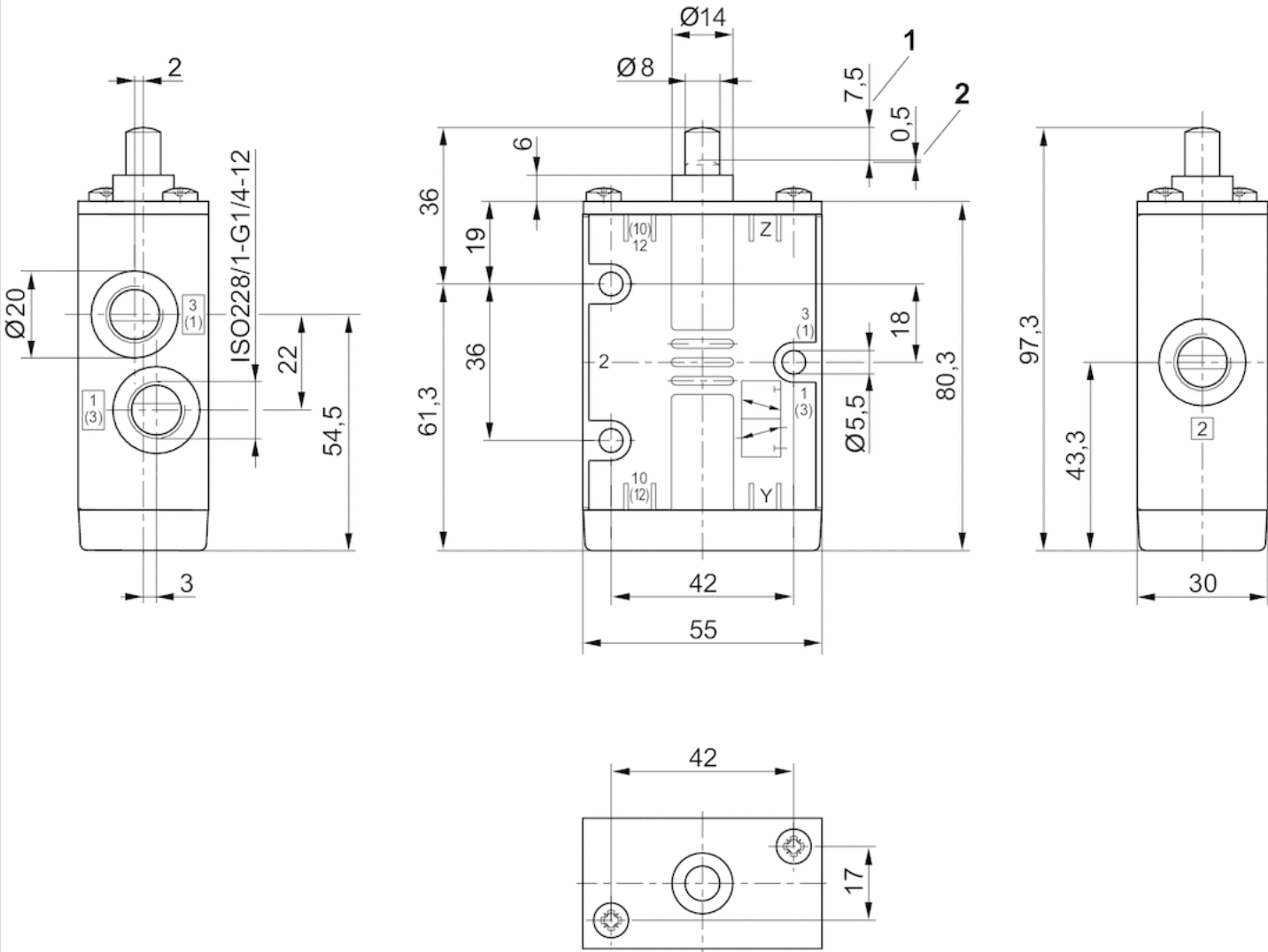
option valve: The input and output compressed air connections can be exchanged.
The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc Polyamide fiber-glass reinforced Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel Polyoxymethylene

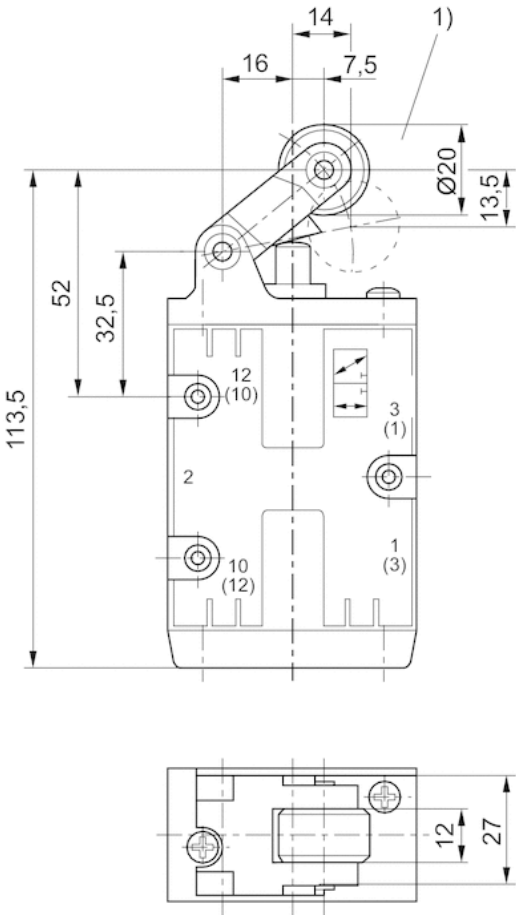
Dimensions

Dimensions, Fig. 1



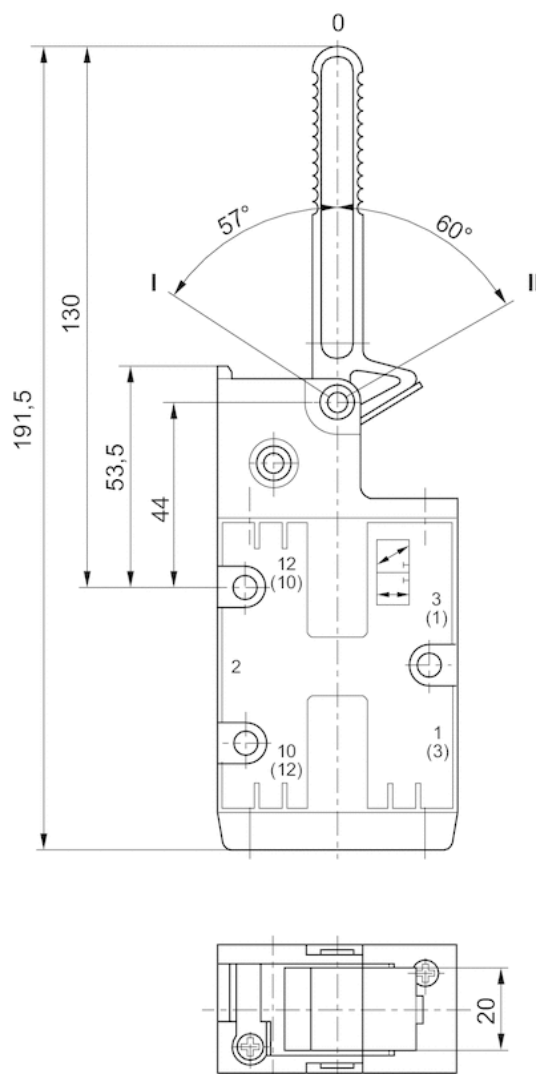
1) Stroke 2) Overstroke

Dimensions, Fig. 3



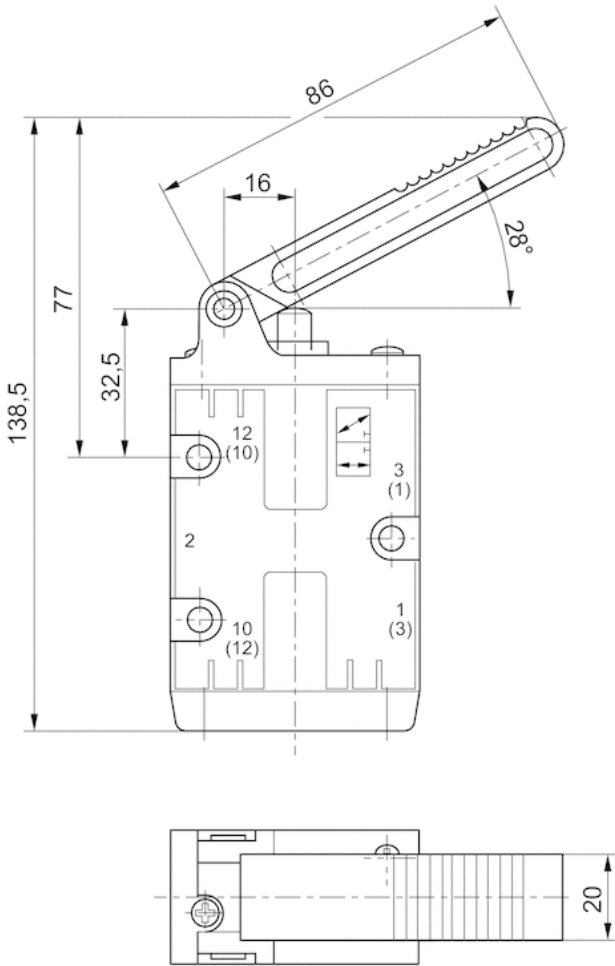
1) approach angle of rollers max. 30°

Dimensions, Fig. 5



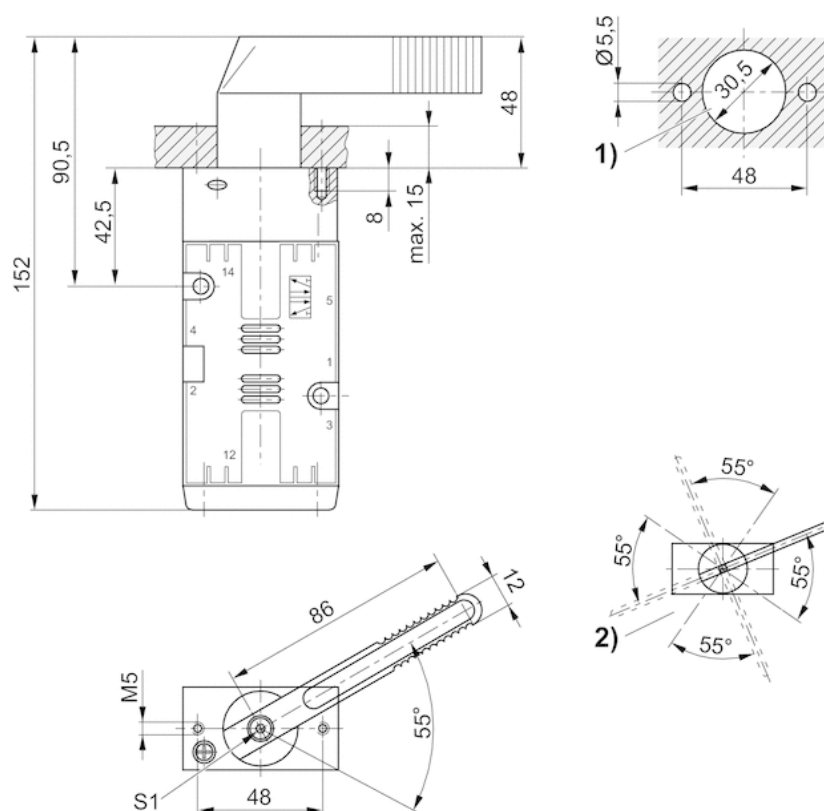
Position 0: initial position, position I: with detent, manual return, position II: automatic spring return.

Dimensions, Fig. 6



Dimensions of basic valve apply to all types of actuation.

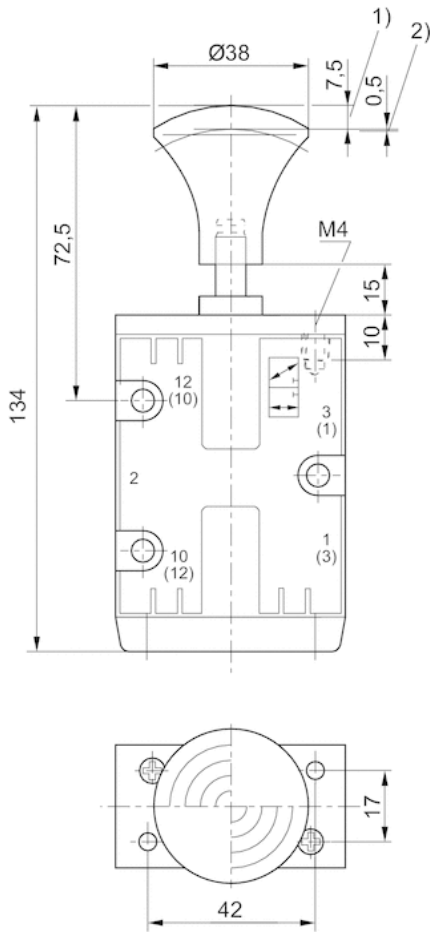
Dimensions, Fig. 7



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").

Dimensions, Fig. 8



1) Stroke 2) Overstroke

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