

# 5/2-directional valve, Series CD07

- Q<sub>n</sub> = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX



|                               |                                   |
|-------------------------------|-----------------------------------|
| Type                          | Spool valve, positive overlapping |
| Activation                    | Mechanical                        |
| Switching principle           | 5/2                               |
| Sealing principle             | Soft sealing                      |
| Nominal flow Q <sub>n</sub>   | 1200 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                    |
| Max. particle size            | 50 µm                             |
| Oil content of compressed air | 0 ... 1 mg/m <sup>3</sup>         |
| Weight                        | See table below                   |

## Technical data

| Part No.   |                                                                                     | Actuating element                       | Compressed air connection type |
|------------|-------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------|
| 5634600100 |  | Plunger                                 | Internal thread                |
| 5634610100 |  | Roller                                  | Internal thread                |
| 5634630100 |  | Hand lever, with detent, without detent | Internal thread                |
| 5634640100 |  | Hand lever                              | Internal thread                |
| 5634650100 |  | Rotary lever, with detent               | Internal thread                |
| 5634660100 |  | Button                                  | Internal thread                |
| 5634669200 |  | Button                                  | -                              |

| Part No.   | Compressed air connection Input | Compressed air connection Output | Compressed air connection Exhaust |
|------------|---------------------------------|----------------------------------|-----------------------------------|
| 5634600100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634610100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634630100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634640100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634650100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634660100 | G 1/4                           | G 1/4                            | G 1/4                             |
| 5634669200 | G 1/4                           | G 1/4                            | G 1/4                             |

| Part No.   | Compressed air connection Pilot control exhaust | Operating force | Control pressure min./max. |
|------------|-------------------------------------------------|-----------------|----------------------------|
|            |                                                 | min.            |                            |
| 5634600100 | -                                               | 70 N            | -                          |
| 5634610100 | -                                               | 40 N            | -                          |
| 5634630100 | -                                               | 20 N            | -                          |
| 5634640100 | -                                               | 15 N            | -                          |
| 5634650100 | -                                               | 15 N            | -                          |
| 5634660100 | -                                               | 70 N            | -                          |

| Part No.   | Compressed air connection Pilot control exhaust | Operating force | Control pressure min./max. |
|------------|-------------------------------------------------|-----------------|----------------------------|
|            |                                                 | min.            |                            |
| 5634669200 | G 1/8                                           | 80 N            | 5 ... 10 bar               |

| Part No.   | Housing material                               | Material actuating control | Weight  |
|------------|------------------------------------------------|----------------------------|---------|
| 5634600100 | Die cast zinc Polyamide fiber-glass reinforced | Stainless steel            | 0,54 kg |
| 5634610100 | Die cast zinc Polyamide fiber-glass reinforced | Stainless steel            | 0,59 kg |
| 5634630100 | Die cast zinc Polyamide fiber-glass reinforced | Polyoxymethylene           | 0,62 kg |
| 5634640100 | Die cast zinc Polyamide fiber-glass reinforced | Polyoxymethylene           | 0,59 kg |
| 5634650100 | Die cast zinc Polyamide fiber-glass reinforced | Polyoxymethylene           | 0,64 kg |
| 5634660100 | Die cast zinc Polyamide fiber-glass reinforced | Polyoxymethylene           | 0,54 kg |
| 5634669200 | Die cast zinc                                  | Polyoxymethylene           | 0,54 kg |

| Part No.   | Fig.   |
|------------|--------|
| 5634600100 | Fig. 1 |
| 5634610100 | Fig. 2 |
| 5634630100 | Fig. 3 |
| 5634640100 | Fig. 4 |
| 5634650100 | Fig. 5 |
| 5634660100 | Fig. 6 |
| 5634669200 | Fig. 7 |

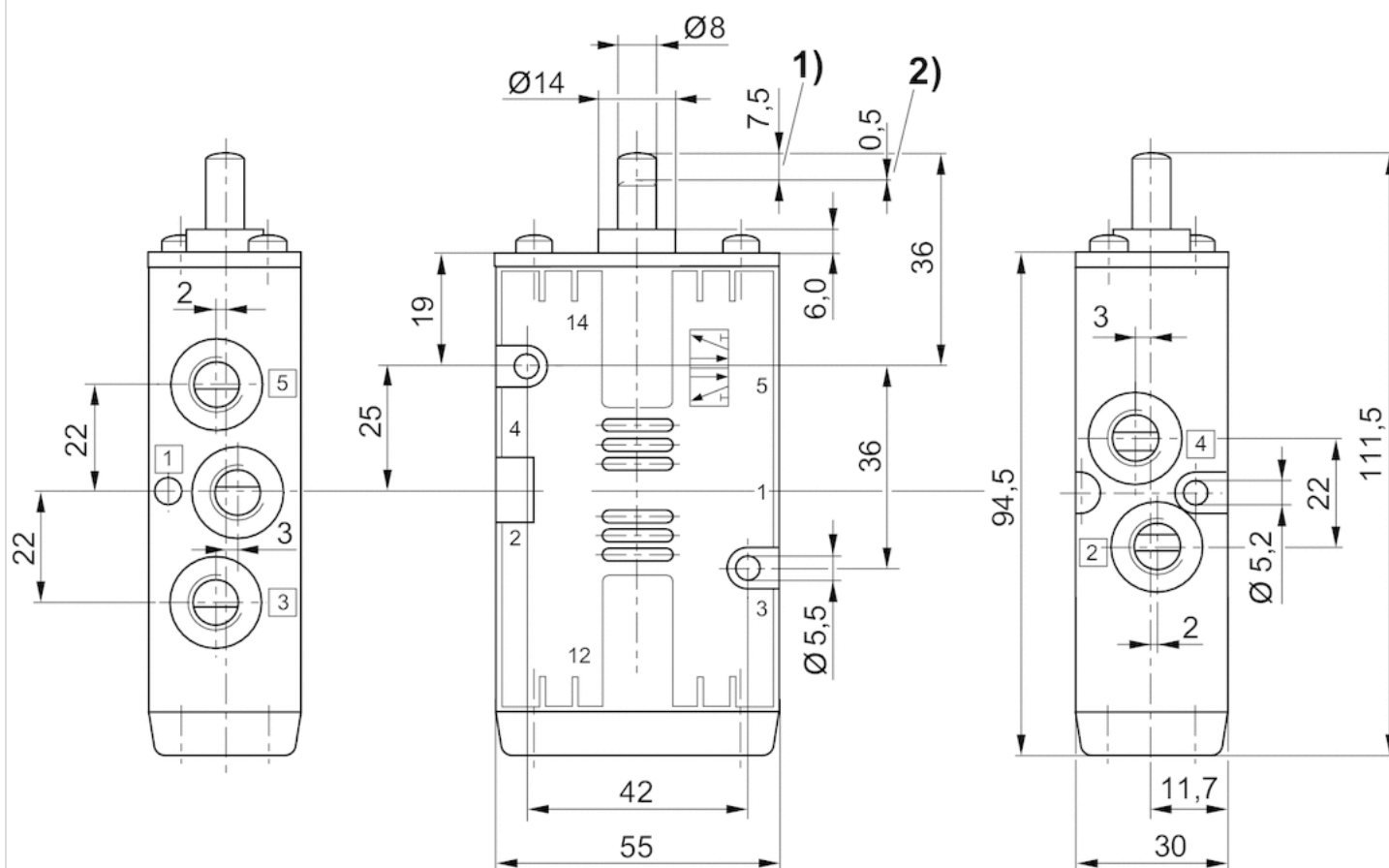
Nominal flow Q<sub>n</sub> at 6 bar and  $\Delta p = 1$  bar

## Technical information

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

## Dimensions

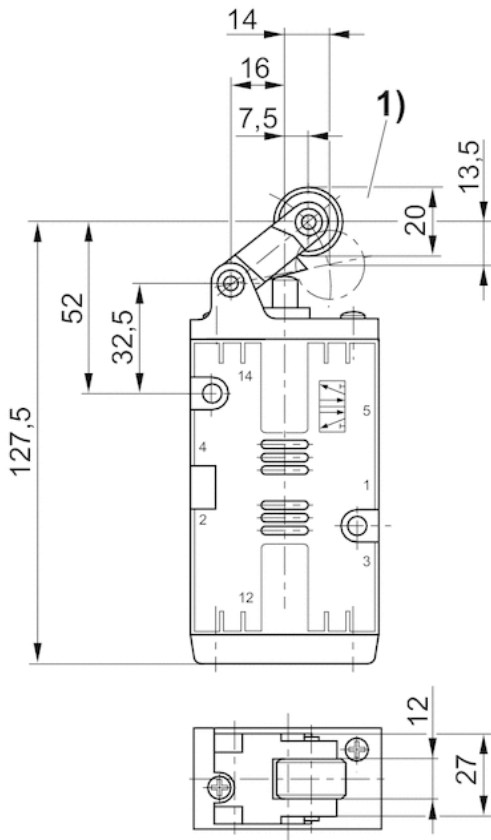
## Dimensions, Fig. 1



1) Stroke 2) Overstroke

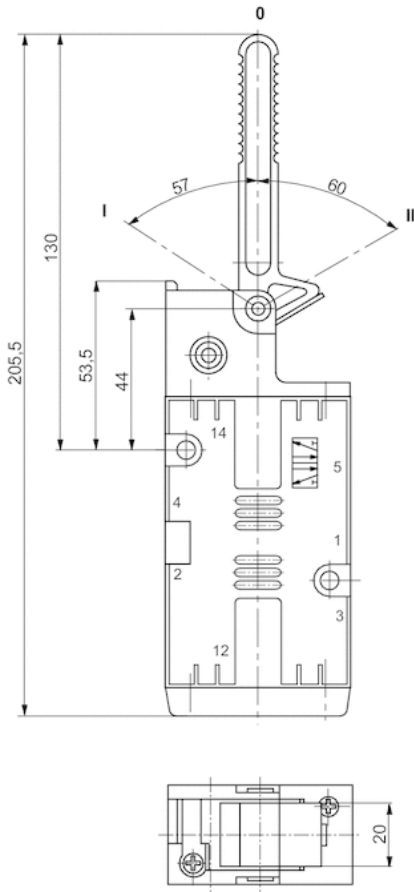
Dimensions of basic valve apply to all types of actuation.

Dimensions, Fig. 2



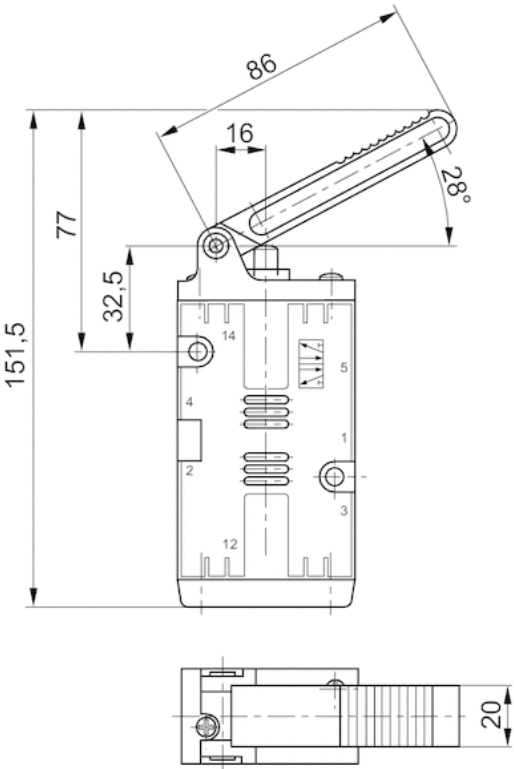
1) approach angle of rollers max. 30°

Dimensions, Fig. 3

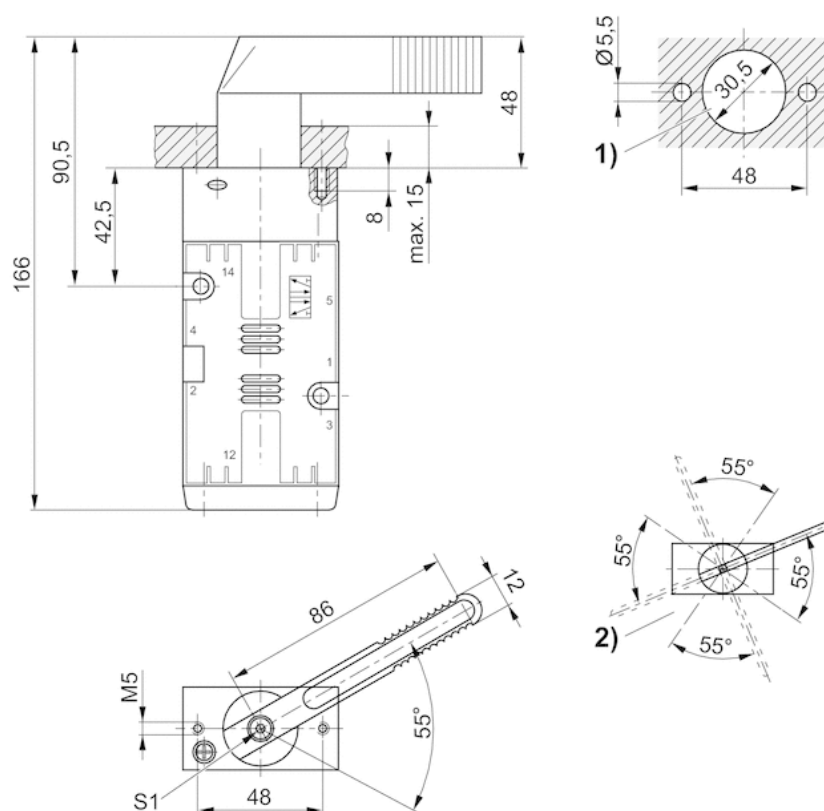


Position 0: initial position, position I: with detent, manual return, position II: automatic spring return.

Dimensions, Fig. 4



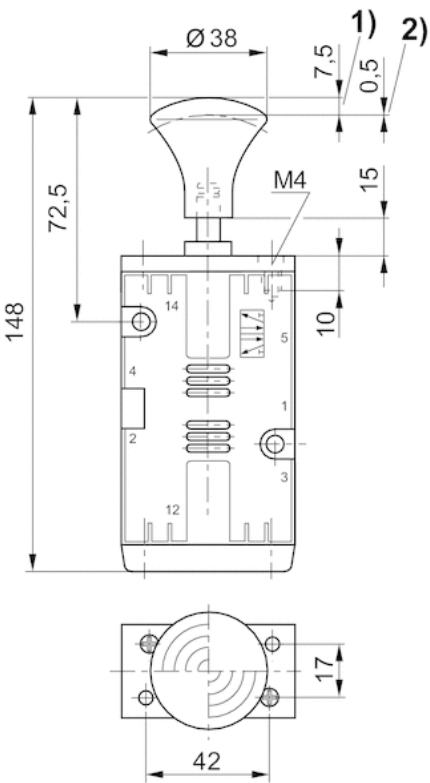
## Dimensions, Fig. 5



1) control panel installation (holes in mounting panel)

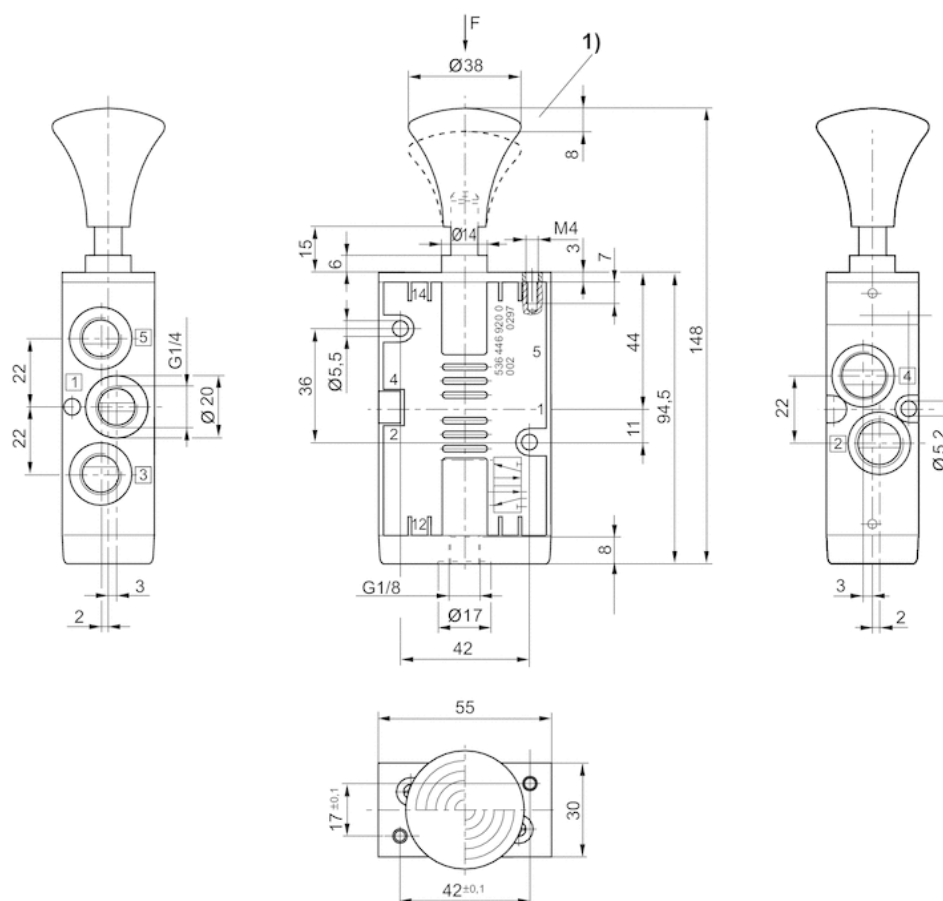
2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw "S1").

Dimensions, Fig. 6



1) Stroke 2) Overstroke

## Dimensions, Fig. 7



1) Stroke

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