

## Precision pressure regulator MS6N-LRPB

**FESTO**



## Characteristics

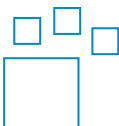
### At a glance

For configuring a regulator manifold with independent pressure regulation ranges.

- Width dimension: 62 mm
- Good regulation characteristics with minimal pressure hysteresis and primary pressure compensation
- High secondary venting for fast reaction times
- Optional pressure sensor
- Optional device variant EX4 for use in potentially explosive areas of zones 1, 2, 21 and 22

### Ordering data - modular system

Link [ms6n-lrpb](#)



Configurable product

This product and all its product options can be ordered online via the configurator.

### Function

[LRPB] Precision pressure regulator for manifold installation

For sensitive applications with required pressure hysteresis of 0.02 bar. The output pressure p2 can be set within the pressure regulation range either manually with the rotary knob or pneumatically via a pilot pressure p12 from an external pilot controller (preferably with a precision pressure regulator).

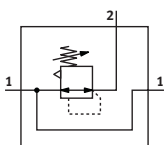
### Pneumatic connection

The installation of connection plates makes it easier to replace the module if necessary (e.g., when using piping).

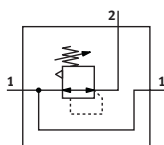
### Pressure regulation range

There are different pressure regulation ranges:

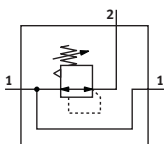
[D2] 0.05 ... 0.7 bar



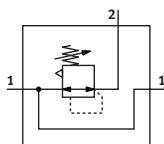
[D4] 0.05 ... 2.5 bar



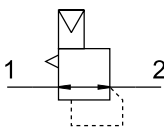
[D5] 0.1 ... 4 bar



[D7] 0.1 ... 12 bar



[PO] Max. 12 bar, pneumatically actuated (pressure range determined by pilot regulator)



### Pressure gauge alternatives

Two pressure gauge connections for variable installation

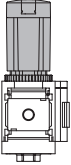
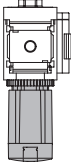
### Rotary knob alternative

Optionally with longer rotary knob.

## Characteristics

### Alternative mounting position

Optionally with rotary knob positioned below the device.

| [ ]                                                                               | Without | [KD]                                                                              | Rotary knob underneath |
|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|------------------------|
|  |         |  |                        |

### Type of mounting

| [WR] | Mounting bracket with knurled nut on regulator knob | [WP] | Mounting bracket standard design |
|------|-----------------------------------------------------|------|----------------------------------|
|------|-----------------------------------------------------|------|----------------------------------|

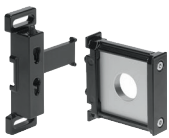


- For wall mounting an individual device



- For connecting the modules for wall mounting
- In conjunction with sub-base MS6-AQ... for mounting an individual device on a wall
- In conjunction with mounting plate MS4-AEND for wall mounting of a single device
- With equal wall distance for mixing combination with series MS4 and MS6

| [WPM] | Mounting bracket for hooking in air preparation units | [WB] | Mounting centrally at rear (wall mounting top and bottom), sub-bases not required |
|-------|-------------------------------------------------------|------|-----------------------------------------------------------------------------------|
|-------|-------------------------------------------------------|------|-----------------------------------------------------------------------------------|



- For connecting the modules for wall mounting
- In conjunction with sub-base MS6-AQ... for mounting an individual device on a wall
- In conjunction with mounting plate MS4-AEND for wall mounting of a single device
- For installing modules with regulator knob pointing downwards

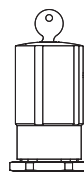
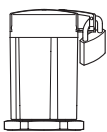


- For wall mounting an individual device

### Lockable

Optional possibility to lock the knob to protect the setting values from adjustment.

| [AS] | Can be locked using accessories | [E11] | With integrated lock |
|------|---------------------------------|-------|----------------------|
|------|---------------------------------|-------|----------------------|



### Flow direction

Available with opposite flow direction.

| [Z] | Flow direction from right to left |
|-----|-----------------------------------|
|-----|-----------------------------------|

No pressure gauge without angle outlet block.

## Type code

|      |                                                                                                    |  |
|------|----------------------------------------------------------------------------------------------------|--|
| 001  | Series                                                                                             |  |
| MS   | MS series                                                                                          |  |
| 002  | Size                                                                                               |  |
| 6    | Width dimension 62 mm                                                                              |  |
| 003  | Thread type                                                                                        |  |
| N    | NPT thread                                                                                         |  |
| 004  | Function                                                                                           |  |
| LRPB | Precision pressure regulator for manifold installation                                             |  |
| 005  | Pneumatic connection, inch                                                                         |  |
| 1/2  | Internal thread NPT 1/2                                                                            |  |
| AQN  | Sub-base NPT1/4                                                                                    |  |
| AQP  | Sub-base NPT3/8                                                                                    |  |
| AQR  | Sub-base NPT1/2                                                                                    |  |
| AQS  | Sub-base NPT3/4                                                                                    |  |
| 006  | Pressure range/actuation                                                                           |  |
| D7   | 0.1 ... 12 bar, manually actuated                                                                  |  |
| P0   | 0.1 ... 12 bar, pneumatically actuated (pressure range determined by pilot regulator)              |  |
| D5   | 0.1 ... 4 bar, manually actuated                                                                   |  |
| D2   | 0.05 ... 0.7 bar, manually actuated                                                                |  |
| D4   | 0.05 ... 2.5 bar, manually actuated                                                                |  |
| 007  | Pressure gauge alternatives                                                                        |  |
| A4   | Adapter plate for EN pressure gauge 1/4, without pressure gauge                                    |  |
| A8   | Adapter plate for EN pressure gauge 1/8, without pressure gauge                                    |  |
| A8M  | Adapter for EN pressure gauge 1/8, with precision pressure gauge                                   |  |
| AD7  | Pressure sensor with switching display, M8 plug, threshold value comparator, PNP, N/O              |  |
| AD8  | Pressure sensor with switching display, M8 plug, threshold value comparator, PNP, N/C              |  |
| AD9  | Pressure sensor with switching display, M8 plug, window comparator, PNP, N/O                       |  |
| AD10 | Pressure sensor with operational status indicator, M8 plug, window comparator, PNP, N/C            |  |
| AD11 | Pressure sensor with LCD display, M12 4-pin plug, IO-Link®, PNP, NPN, 0...10 V, 1...5 V, 4...20 mA |  |
| AD12 | Pressure sensor with LCD display, M8 4-pin plug, IO-Link®, PNP, NPN, 0...10 V, 1...5 V, 4...20 mA  |  |
| VS   | Cover plate                                                                                        |  |

|     |                                                                                   |  |
|-----|-----------------------------------------------------------------------------------|--|
| 008 | Rotary knob alternative                                                           |  |
|     | Without                                                                           |  |
| LD  | Long rotary knob                                                                  |  |
| 009 | Alternative mounting position                                                     |  |
|     | Without                                                                           |  |
| KD  | Rotary knob underneath                                                            |  |
| 010 | Lockable                                                                          |  |
|     | Without                                                                           |  |
| AS  | Can be locked using accessories                                                   |  |
| E11 | With integrated lock                                                              |  |
| 011 | Alternative pressure outlet                                                       |  |
|     | Without                                                                           |  |
| BI  | Angled outlet block QS 5/16-U                                                     |  |
| BJ  | Angled outlet block QS 3/8-U                                                      |  |
| 012 | Type of mounting                                                                  |  |
|     | Without mounting bracket                                                          |  |
| WB  | Mounting centrally at rear (wall mounting top and bottom), sub-bases not required |  |
| WP  | Mounting bracket standard design                                                  |  |
| WPB | Mounting bracket for large wall gap                                               |  |
| WPM | Mounting bracket for hooking in air preparation units                             |  |
| WR  | Mounting bracket with knurled nut on regulator knob                               |  |
| 013 | Outlet orientation                                                                |  |
|     | Pressure output to rear                                                           |  |
| Z   | Pressure output to front                                                          |  |

## Datasheet

### General technical data

|                           |                                                                              |                  |                  |                |
|---------------------------|------------------------------------------------------------------------------|------------------|------------------|----------------|
| Pressure regulation range | 0.1 ... 4 bar                                                                | 0.05 ... 0.7 bar | 0.05 ... 2.5 bar | 0.1 ... 12 bar |
| Pneumatic connection 1    | 1/2 NPT                                                                      |                  |                  |                |
| Pneumatic connection 2    | 1/2 NPT                                                                      |                  |                  |                |
| Pneumatic connection 3    | G1/4                                                                         |                  |                  |                |
| Size                      | 6                                                                            |                  |                  |                |
| Structural design         | Pilot-controlled precision diaphragm regulator                               |                  |                  |                |
| Controller function       | Outlet pressure constant, With secondary exhausting                          |                  |                  |                |
| Type of mounting          | Optionally:<br>Front panel mounting<br>Line installation<br>With accessories |                  |                  |                |
| Mounting position         | Any                                                                          |                  |                  |                |
| Actuator lock             | Rotary knob with detent                                                      |                  |                  |                |
| Max. pressure hysteresis  | 0.02 bar                                                                     |                  |                  |                |
| Pressure gauge            | G1/8 prepared                                                                |                  |                  |                |

### Standard nominal flow rate $q_n$

|                                                   |                   |                   |                   |                   |
|---------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Pressure regulation range                         | 0.1 ... 4 bar     | 0.05 ... 0.7 bar  | 0.05 ... 2.5 bar  | 0.1 ... 12 bar    |
| Normal nominal flow rate (normalized to DIN 1343) | $\geq 3000$ l/min | $\geq 1600$ l/min | $\geq 2300$ l/min | $\geq 5000$ l/min |

### Operating and environmental conditions

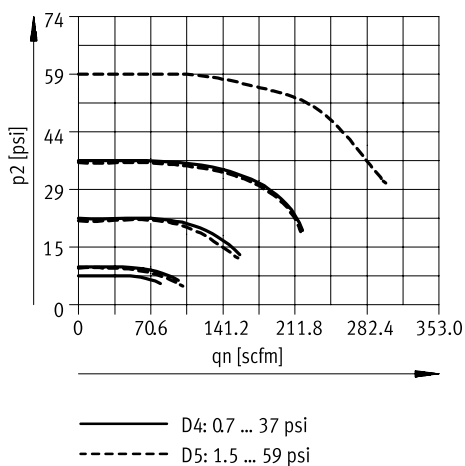
|                                                |                                                            |
|------------------------------------------------|------------------------------------------------------------|
| Operating pressure                             | 1 ... 14 bar                                               |
| Operating medium                               | Compressed air as per ISO 8573-1:2010 [7:4:4], Inert gases |
| Information on operating and pilot media       | Operation with oil lubrication not possible                |
| Ambient temperature                            | -10 ... 60°C                                               |
| Temperature of medium                          | -10 ... 60°C                                               |
| Storage temperature                            | -10 ... 60°C                                               |
| Corrosion resistance class (CRC) <sup>1)</sup> | 2 - Moderate corrosion stress                              |

1) Corrosion resistance class CRC 2 to Festo standard FN 940070. Moderate corrosion stress. Indoor application where condensation is allowed to occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

### Materials

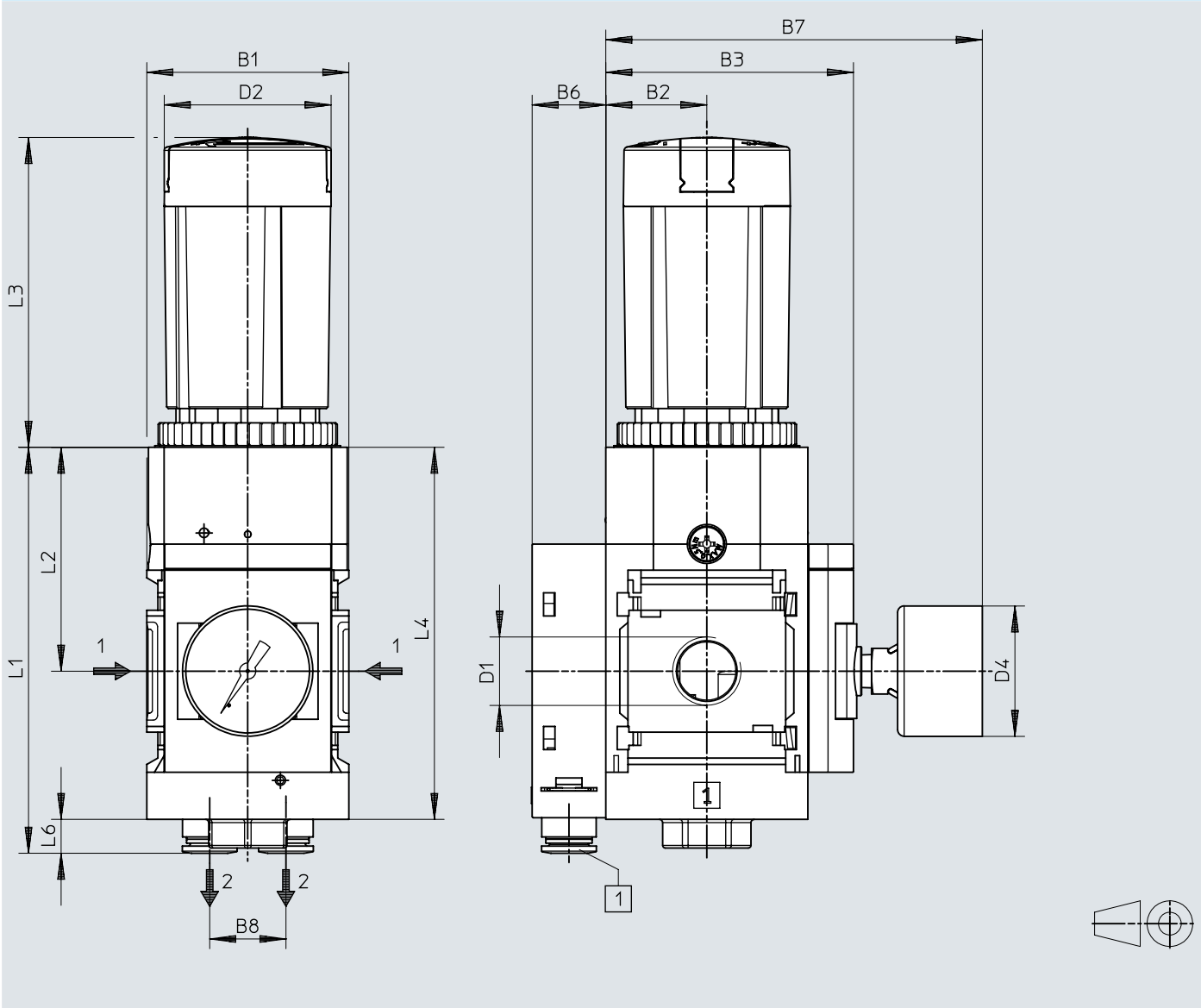
|                        |                   |
|------------------------|-------------------|
| Housing material       | Aluminum          |
| Seals material         | NBR               |
| Note on materials      | RoHS-compliant    |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |

### Normal flow rate $q_n$ as a function of the outlet pressure $p_2$ ( $p_1 = 147$ psi) - MS6N-LRPB-1/2



Dimensions

Dimensions – Pressure regulation range, manually operated Download CAD data [www.festo.com](http://www.festo.com)

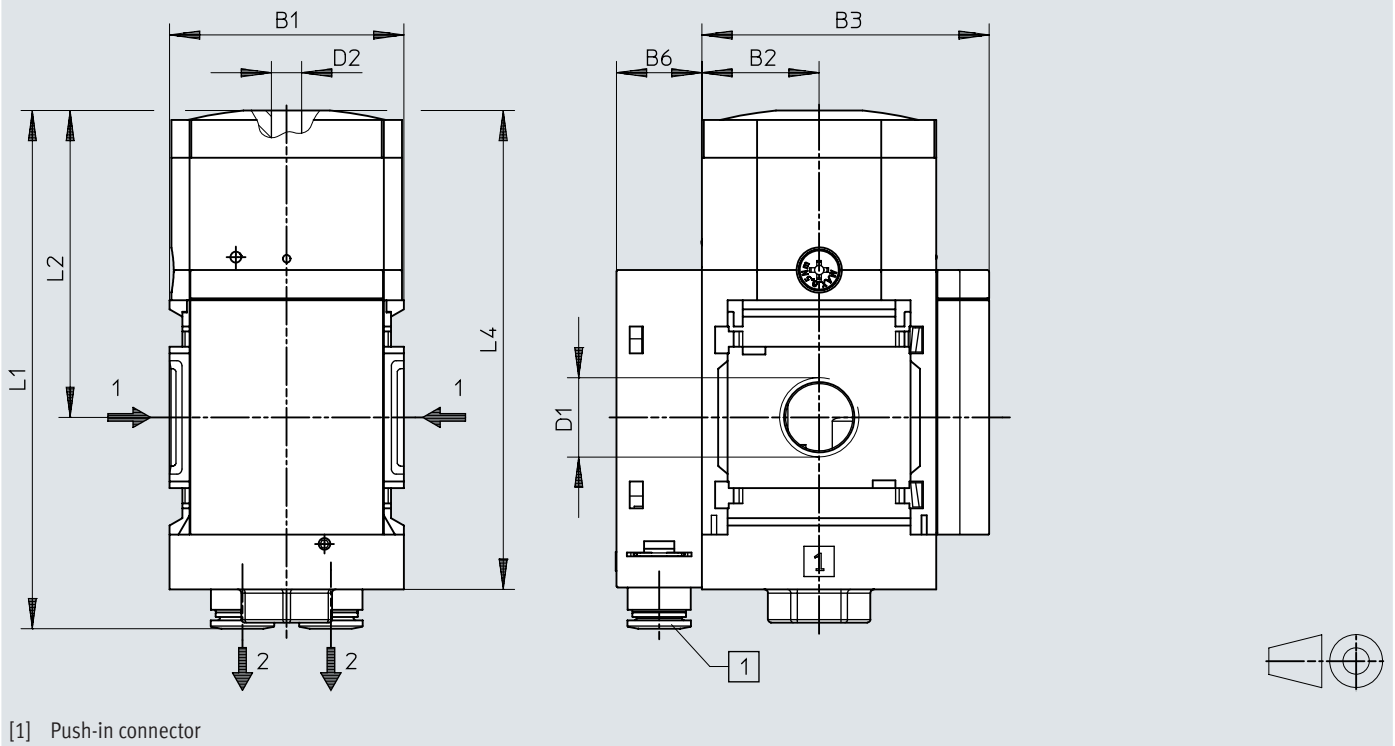


|                                        | B1<br>[inch] | B2<br>[inch] | B3<br>[inch] | B6<br>[inch] | B7<br>[inch] | B8<br>[inch] | D1      | D2<br>[inch] | D4<br>[inch] | L1<br>[inch] | L2<br>[inch] | L3<br>[inch] | L4<br>[inch] | L6<br>[inch] |
|----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| MS6N-LRPB-1/2-D2/D4/D5/D7-A8M-BD/BE-AS | 2,44         | 1,22         | 2,99         | 0,91         | 4,53         | 0,92         | 1/2 NPT | 2,02         | 1,57         | 4,88         | 2,68         | 3,74         | 4,49         | 0,39         |

## Dimensions

Dimensions – Pressure regulation range, pneumatically actuated, cover plate, angled output block

Download CAD data [www.festo.com](http://www.festo.com)

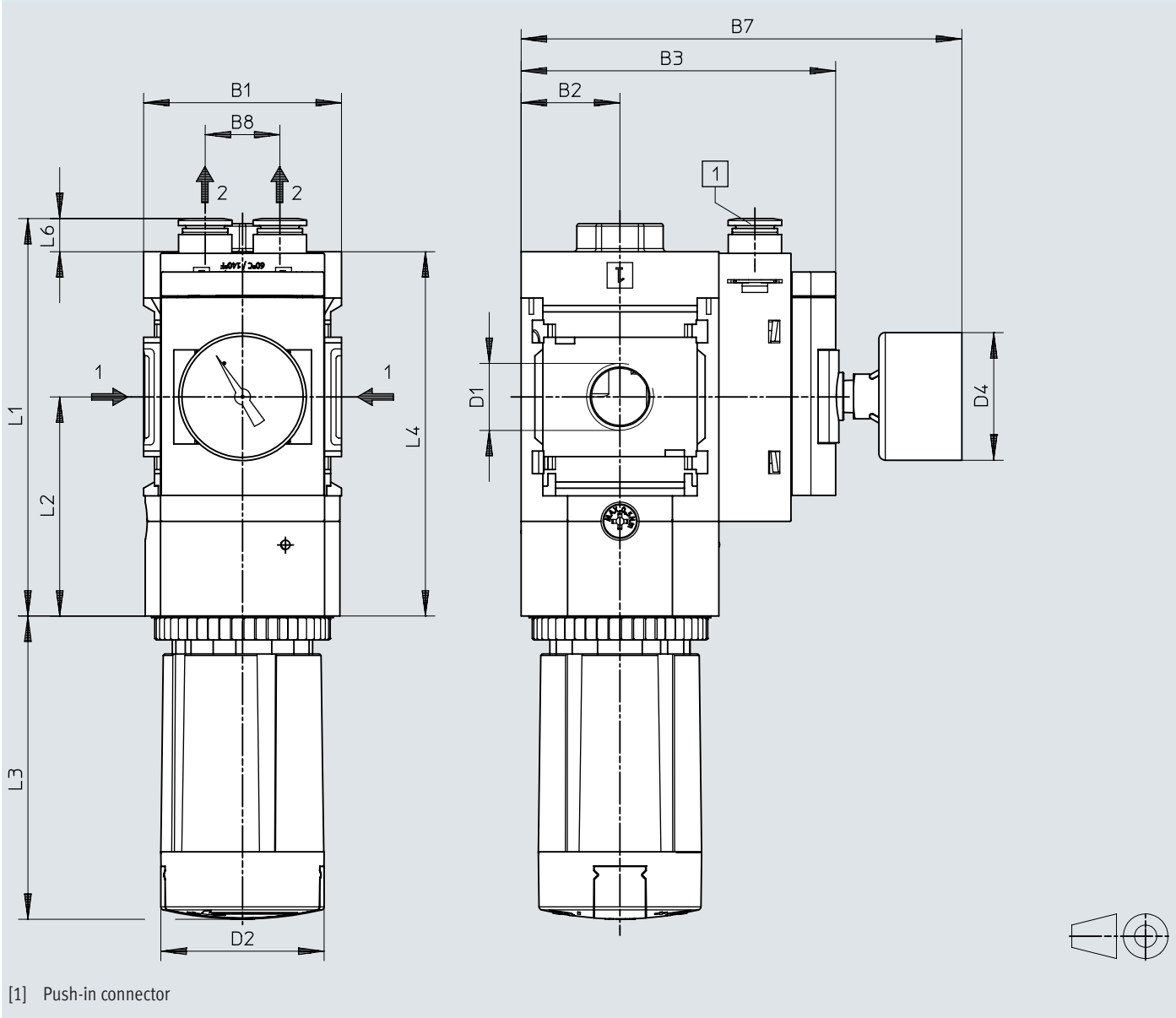


|                           | B1<br>[inch] | B2<br>[inch] | B3<br>[inch] | B6<br>[inch] | D1      | D2      | L1<br>[inch] | L2<br>[inch] | L4<br>[inch] |
|---------------------------|--------------|--------------|--------------|--------------|---------|---------|--------------|--------------|--------------|
| MS6N-LRPB-1/2-PO-VS-BD/BE | 2,44         | 1,22         | 2,99         | 0,91         | 1/2 NPT | 1/8 NPT | 5,39         | 3,19         | 5,00         |

Dimensions

Dimensions – Alternative mounting position, rotary knob at the bottom

Download CAD data [www.festo.com](http://www.festo.com)

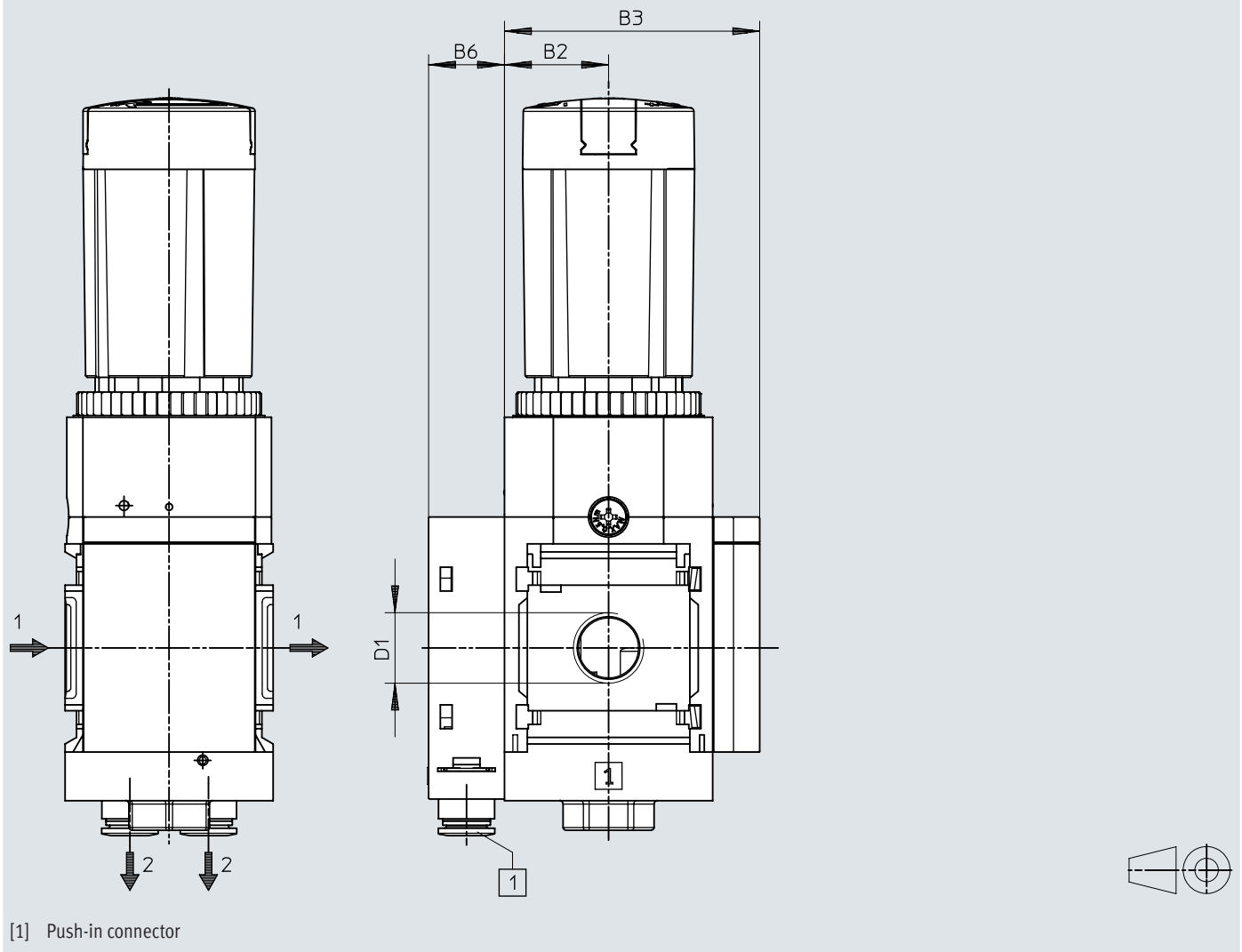


|                      | B1     | B2     | B3     | B7     | B8     | D1      | D2<br>ø | D4<br>ø | L1     | L2     | L3     | L4     | L6     |
|----------------------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|
|                      | [inch] | [inch] | [inch] | [inch] | [inch] |         | [inch]  | [inch]  | [inch] | [inch] | [inch] | [inch] | [inch] |
| MS6N-LRPB-1/2-...-KD | 2,44   | 1,22   | 3,90   | 5,43   | 0,92   | 1/2 NPT | 2,02    | 1,57    | 4,88   | 2,68   | 3,74   | 4,49   | 0,39   |

## Dimensions

Dimensions – Pressure gauge alternatives, cover plate

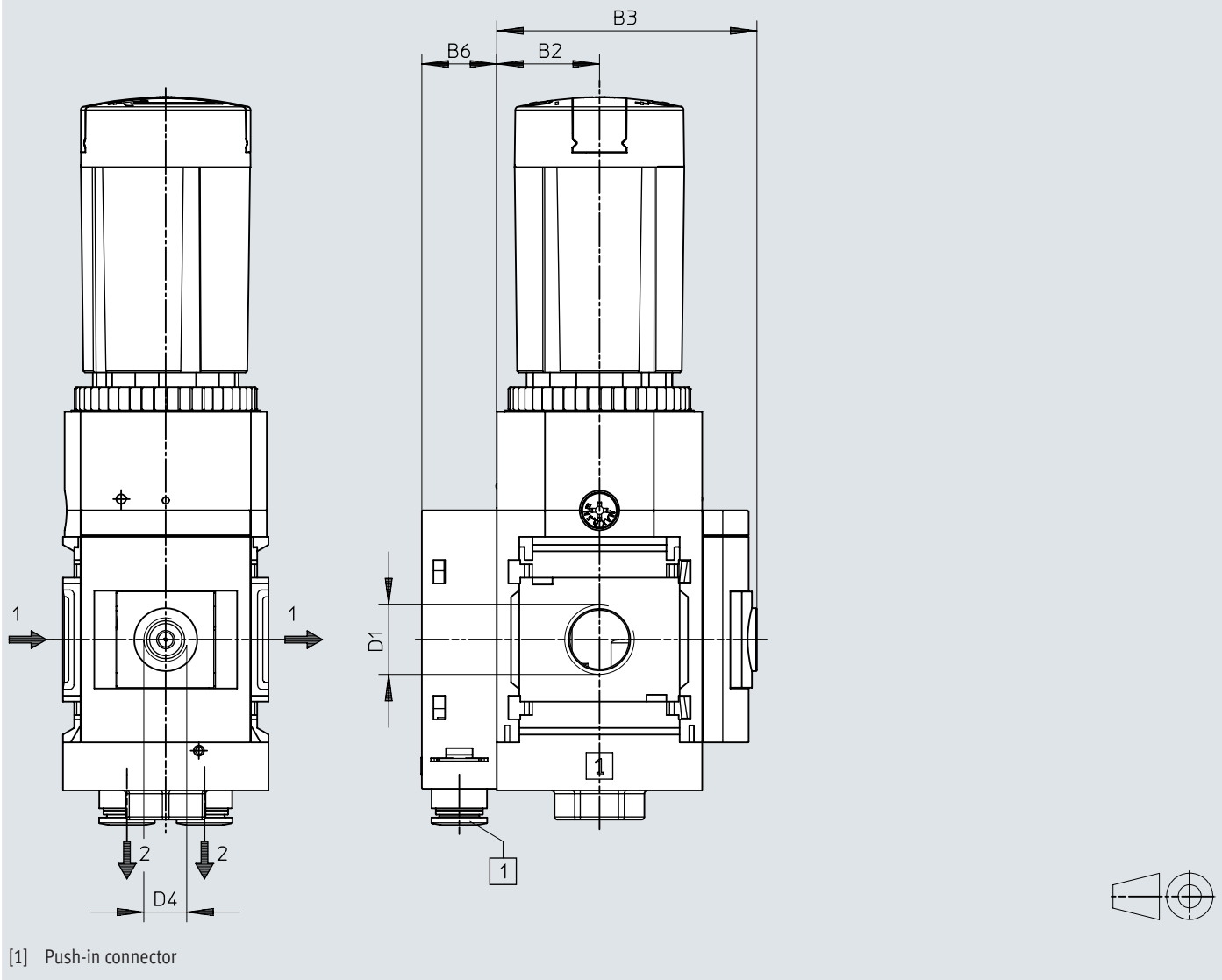
Download CAD data [www.festo.com](http://www.festo.com)



|                      | B2<br>[inch] | B3<br>[inch] | B6<br>[inch] | D1      |
|----------------------|--------------|--------------|--------------|---------|
| MS6N-LRPB-1/2-...-VS | 1,22         | 2,99         | 0,91         | 1/2 NPT |

Dimensions

Dimensions – Adapter for EN pressure gauge 1/8 and 1/4, without pressure gauge Download CAD data [www.festo.com](http://www.festo.com)

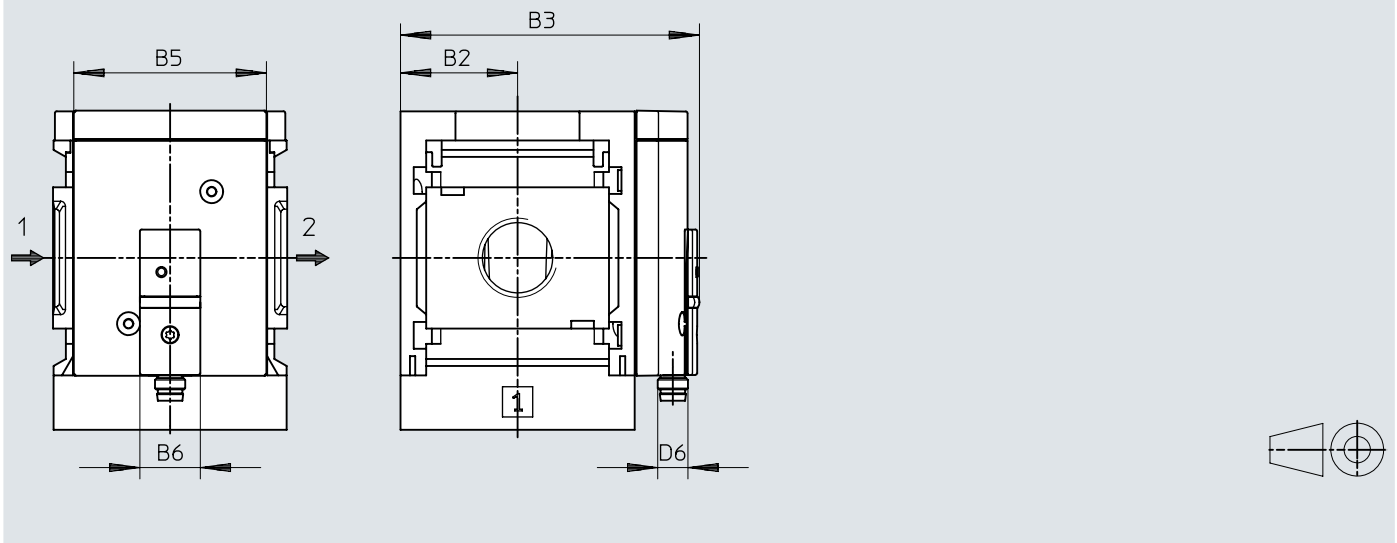


|                      | B2<br>[inch] | B3<br>[inch] | B6<br>[inch] | D1      | D4      |
|----------------------|--------------|--------------|--------------|---------|---------|
| MS6N-LRPB-1/2-...-A8 | 1,22         | 3,09         | 0,91         | 1/2 NPT | 1/8 NPT |
| MS6N-LRPB-1/2-...-A4 |              |              |              |         | 1/4 NPT |

## Dimensions

Dimensions – Pressure gauge alternatives [AD7 ... 10] pressure sensor without LCD display (only switching display)

Download CAD data [www.festo.com](http://www.festo.com)

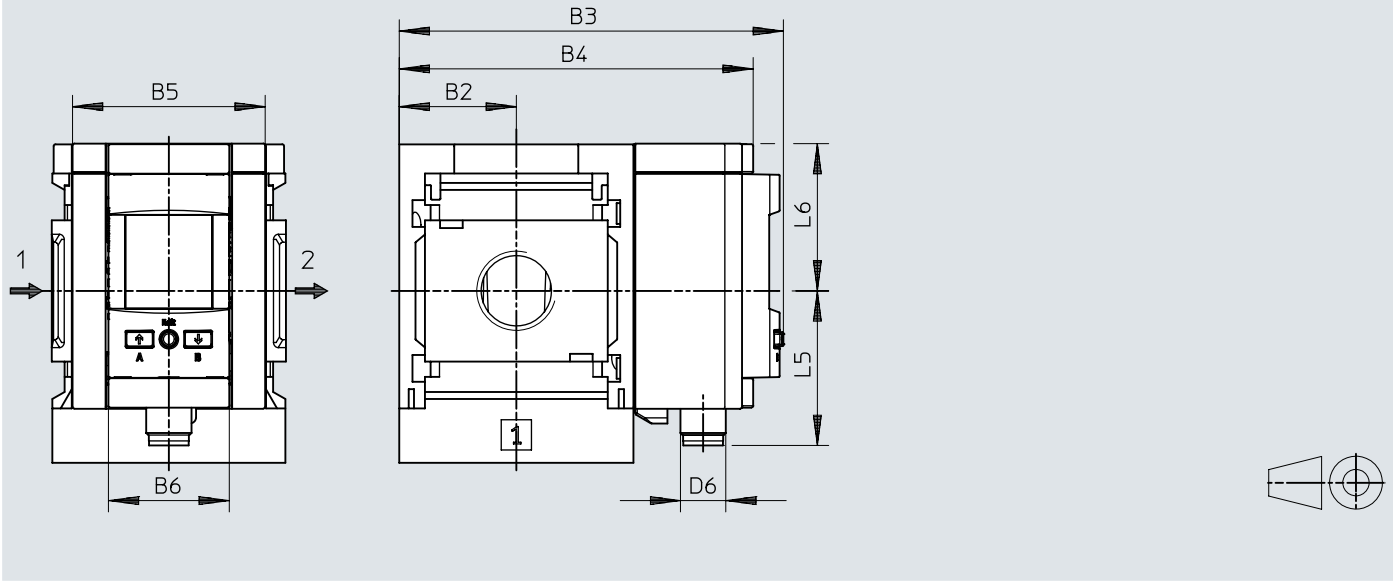


|                                | B2<br>[inch] | B3<br>[inch] | B5<br>[inch] | B6<br>[inch] | D6   |
|--------------------------------|--------------|--------------|--------------|--------------|------|
| MS6N-LRPB-...-AD7/AD8/AD9/AD10 | 1,22         | 3,11         | 2,01         | 0,63         | M8x1 |

Dimensions

Dimensions – Pressure gauge alternatives, [AD11/AD12] pressure sensor with LCD display

Download CAD data [www.festo.com](http://www.festo.com)

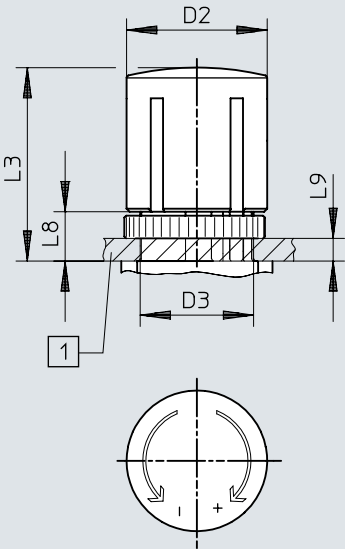


|                    | B2<br>[inch] | B3<br>[inch] | B4<br>[inch] | B5<br>[inch] | B6<br>[inch] | D6    | L5<br>[inch] | L6<br>[inch] |
|--------------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|--------------|
| MS6N-LRPB-...-AD11 | 1,22         | 4,01         | 3,69         | 2,01         | 1,26         | M12x1 | 1,62         | 1,54         |
| MS6N-LRPB-...-AD12 |              |              |              |              |              | M8x1  | 1,49         |              |

Dimensions

Dimensions – Rotary knob with latch

Download CAD data [www.festo.com](http://www.festo.com)

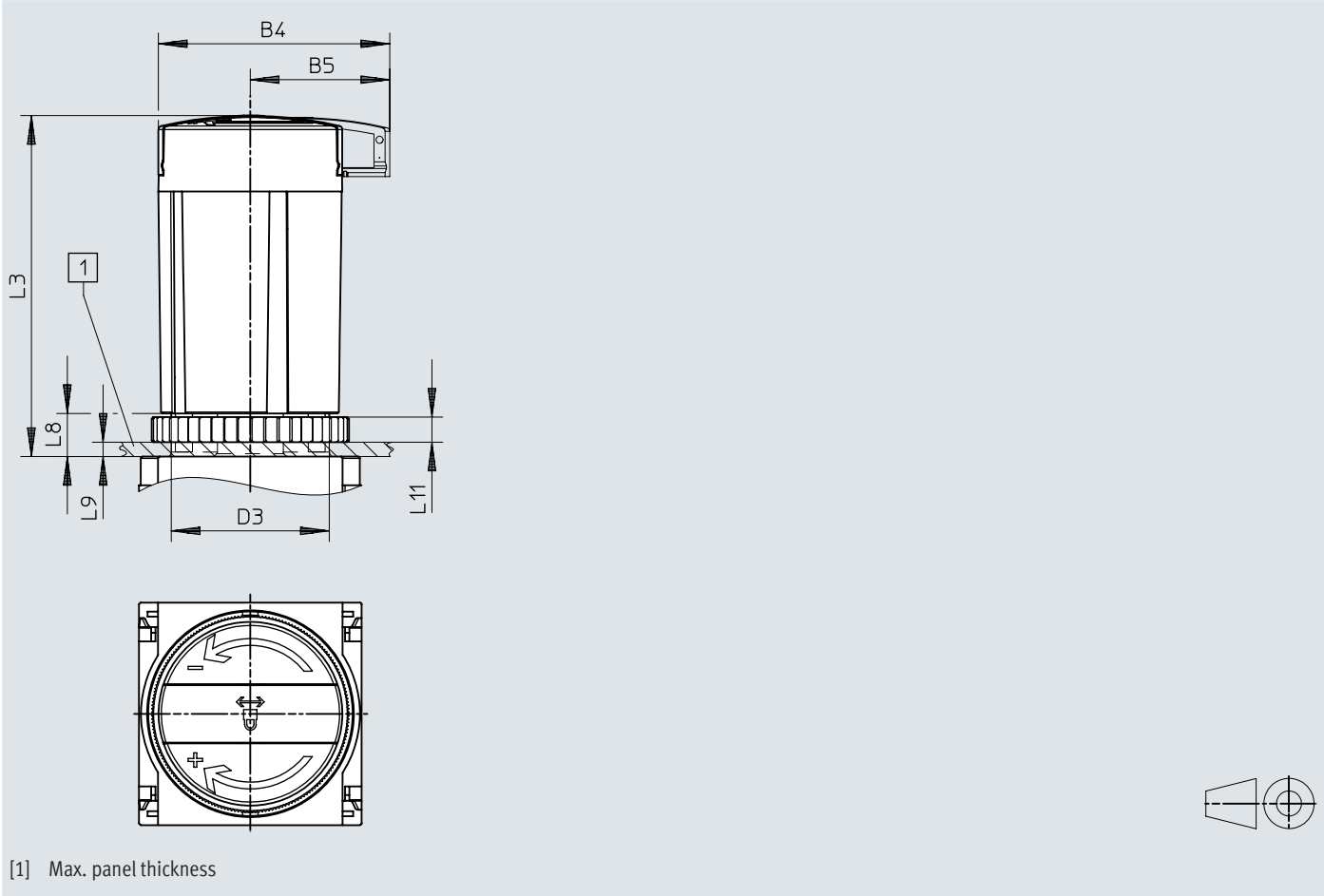


[1] Max. panel thickness

|               | D2<br>[inch] | D3    | L3<br>[inch] | L8<br>[inch] | L9<br>[inch] |
|---------------|--------------|-------|--------------|--------------|--------------|
| MS6N-LRPB-... | 2,02         | M44x1 | 3,39         | 0,83         | 0,55         |

Dimensions

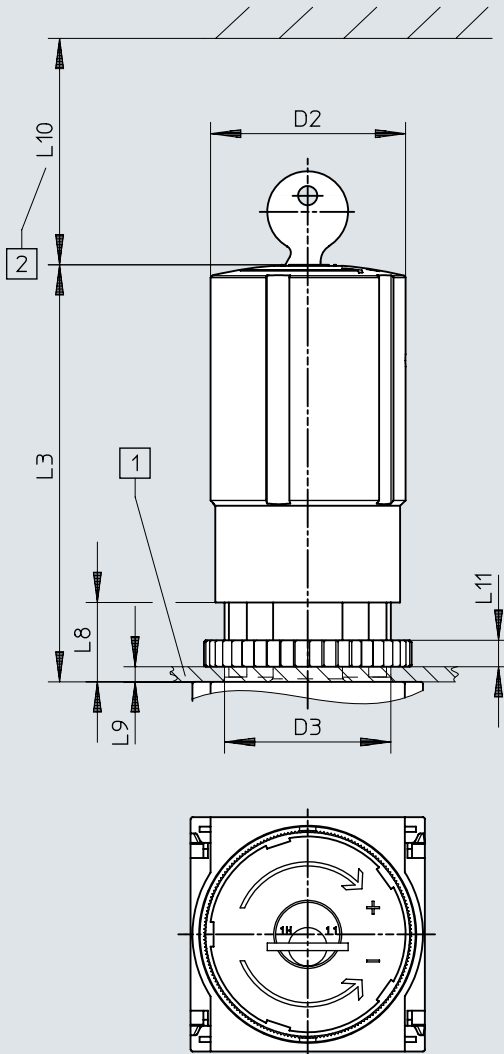
Dimensions – Rotary knob with latch, closable with accessories Download CAD data [www.festo.com](http://www.festo.com)



|                  | B4<br>[inch] | B5<br>[inch] | D2<br>[inch] | D3    | L3<br>[inch] | L8<br>[inch] | L9<br>[inch] |
|------------------|--------------|--------------|--------------|-------|--------------|--------------|--------------|
| MS6N-LRPB-...-AS | 2,54         | 1,53         | 2,02         | M44x1 | 3,74         | 0,47         | 0,20         |

## Dimensions

### Dimensions – Rotary knob with integrated lock

[Download CAD data](#) [www.festo.com](http://www.festo.com)


- [1] Max. panel thickness  
[2] Installation dimension

|                   | D2<br>[inch] | D3    | L3<br>[inch] | L8<br>[inch] | L9<br>[inch] | L10<br>[inch] |
|-------------------|--------------|-------|--------------|--------------|--------------|---------------|
| MS6N-LRPB-...-E11 | 2,02         | M44x1 | 4,33         | 0,83         | 0,55         | 2,36          |

Dimensions

Dimensions – Rotary knob long with latch Download CAD data [www.festo.com](http://www.festo.com)

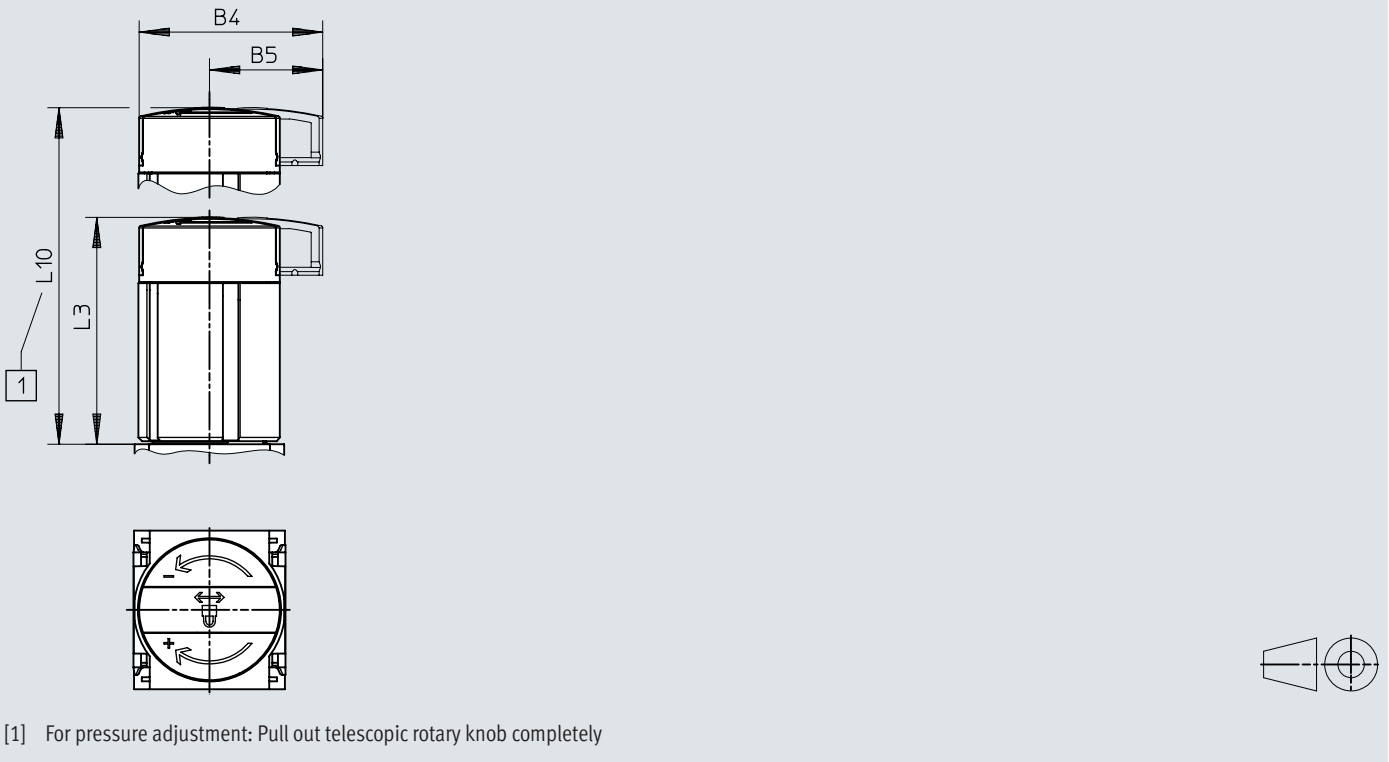


|                  | D2<br>[inch] | L3<br>[inch] | L10<br>[inch] |
|------------------|--------------|--------------|---------------|
| MS6N-LRPB-...-LD | 2,02         | 3,39         | 5,47          |

Dimensions

Dimensions – Rotary knob long with latch, closable with accessories

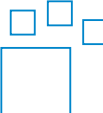
Download CAD data [www.festo.com](http://www.festo.com)



|                     | B4<br>[inch] | B5<br>[inch] | D2<br>[inch] | L3<br>[inch] | L10<br>[inch] |
|---------------------|--------------|--------------|--------------|--------------|---------------|
| MS6N-LRPB-...-LD-AS | 2,54         | 1,53         | 2,02         | 3,76         | 5,85          |

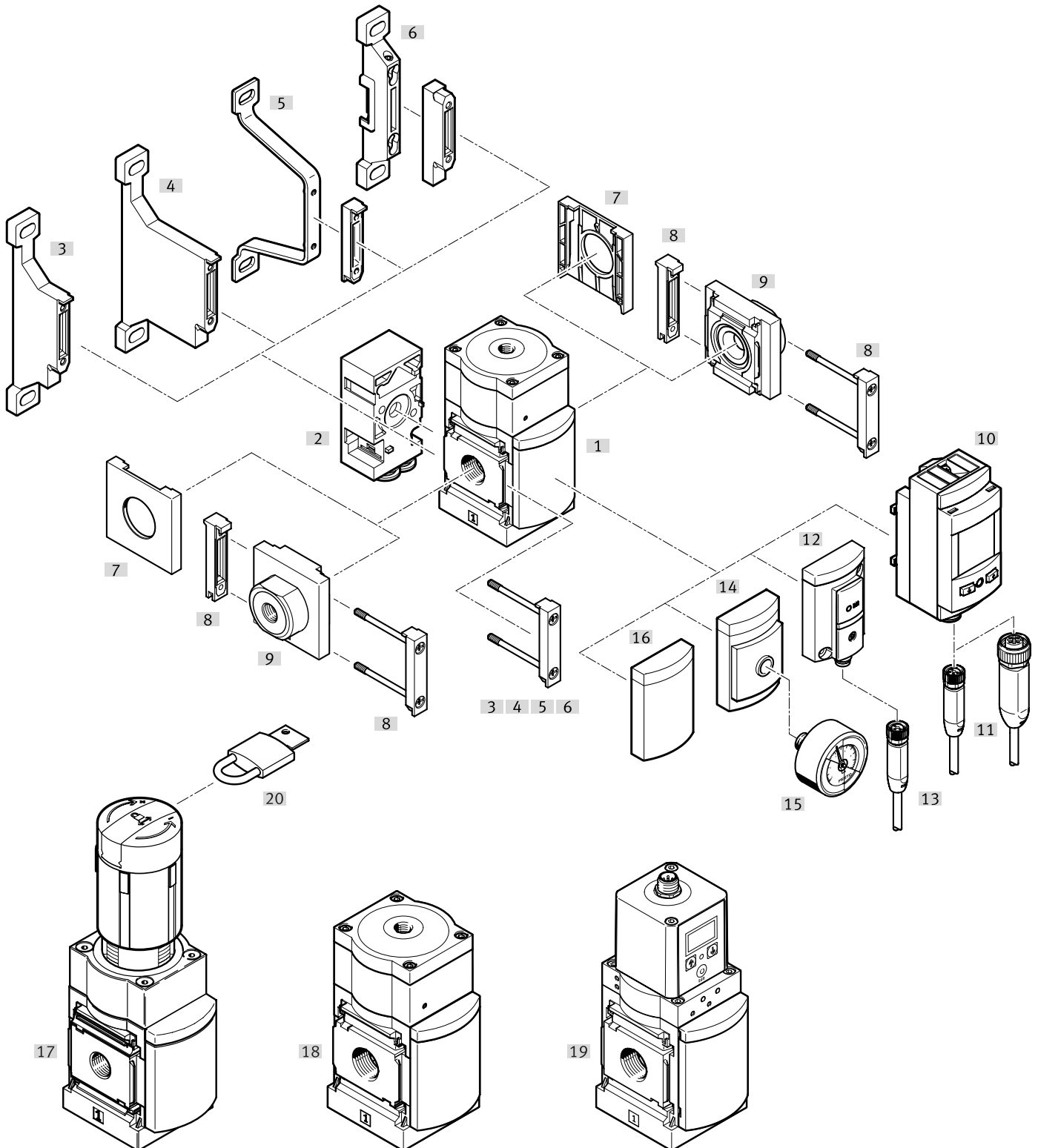
## Ordering data

| Ordering data                                                                    |                        |                           |                    |                |          |                        |
|----------------------------------------------------------------------------------|------------------------|---------------------------|--------------------|----------------|----------|------------------------|
|                                                                                  | Pneumatic connection 1 | Pressure regulation range | Flow direction     | Product weight | Part no. | Type                   |
|  | 1/2 NPT                | 0.05 ... 0.7 bar          | From right to left | 850 g          | 534984   | MS6N-LRPB-1/2-D2-VS-Z  |
|                                                                                  |                        |                           | From left to right |                | 534985   | MS6N-LRPB-1/2-D2-A8-BJ |
|                                                                                  |                        |                           |                    |                | 534937   | MS6N-LRPB-1/2-D2-A8-BI |
|                                                                                  |                        |                           |                    |                | 534983   | MS6N-LRPB-1/2-D2-A8    |
|                                                                                  |                        | 0.05 ... 2.5 bar          |                    |                | 534940   | MS6N-LRPB-1/2-D4-A8-BI |
|                                                                                  |                        |                           |                    |                | 534986   | MS6N-LRPB-1/2-D4-A8    |
|                                                                                  |                        |                           |                    |                | 534988   | MS6N-LRPB-1/2-D4-A8-BJ |
|                                                                                  |                        |                           | From right to left |                | 534987   | MS6N-LRPB-1/2-D4-VS-Z  |
|                                                                                  |                        | 0.1 ... 4 bar             | From left to right |                | 534991   | MS6N-LRPB-1/2-D5-A8-BJ |
|                                                                                  |                        |                           |                    |                | 534943   | MS6N-LRPB-1/2-D5-A8-BI |
|                                                                                  |                        |                           | From right to left |                | 534990   | MS6N-LRPB-1/2-D5-VS-Z  |
|                                                                                  |                        |                           | From left to right |                | 534989   | MS6N-LRPB-1/2-D5-A8    |
|                                                                                  |                        | 0.1 ... 12 bar            |                    |                | 534994   | MS6N-LRPB-1/2-D7-A8-BJ |
|                                                                                  |                        |                           | From right to left |                | 534993   | MS6N-LRPB-1/2-D7-VS-Z  |
|                                                                                  |                        |                           |                    |                | 534946   | MS6N-LRPB-1/2-D7-A8-BI |
|                                                                                  |                        |                           | From left to right |                | 534992   | MS6N-LRPB-1/2-D7-A8    |

| Ordering information – Modular product system                                     |           |          |           |
|-----------------------------------------------------------------------------------|-----------|----------|-----------|
|                                                                                   | Type code | Part no. | Type      |
|  | MS6-LRPB  | 535008   | MS6N-LRPB |

## Peripherals overview

## Peripherals overview



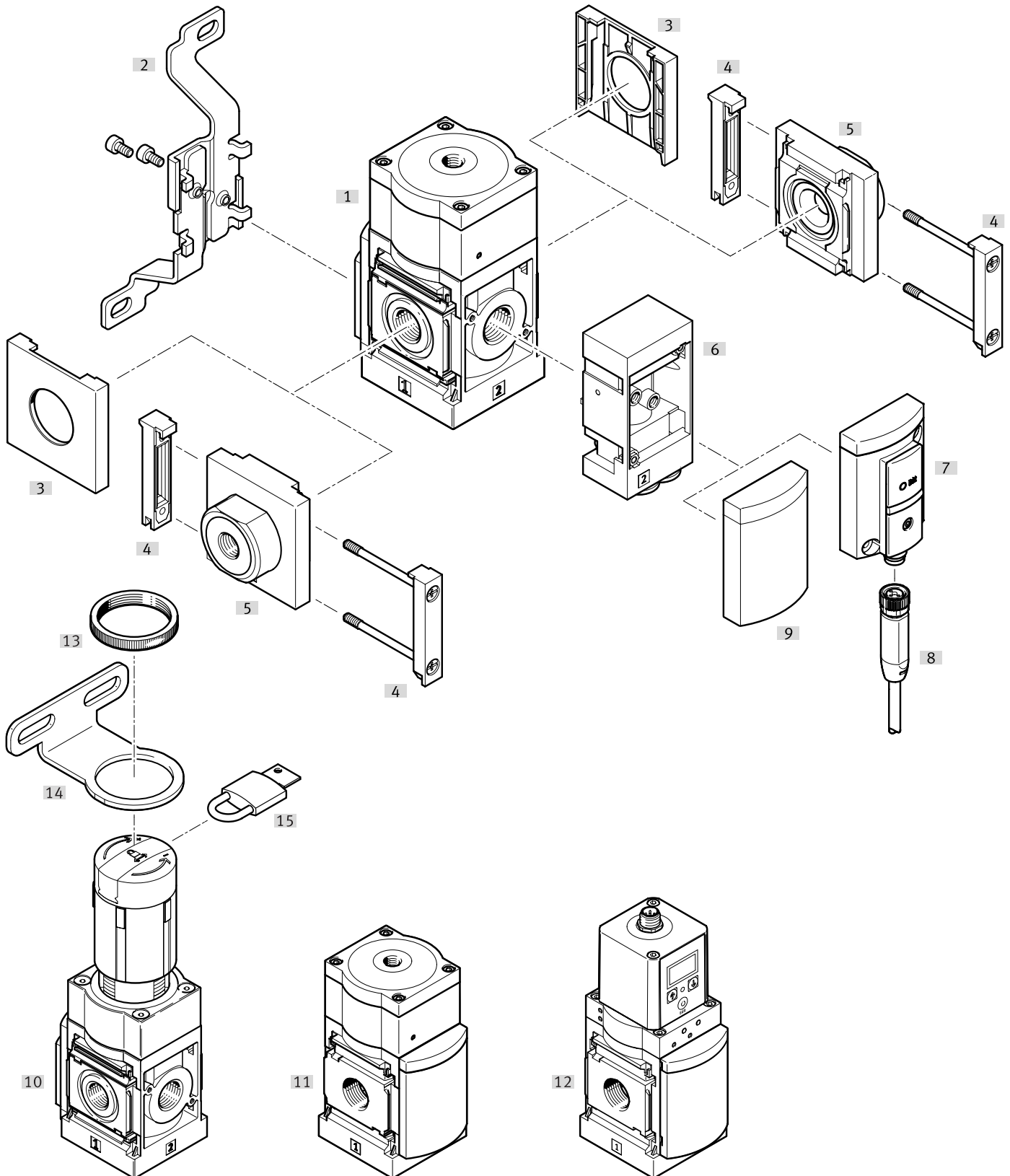
| Accessories     |                                        | → Page/Internet           |
|-----------------|----------------------------------------|---------------------------|
| Type/order code | Description                            |                           |
| [1]             | Precision pressure regulator MS6N-LRPB | <a href="#">ms6n-lrpb</a> |
| [2]             | Angled outlet block B...               | <a href="#">ms6n-lrpb</a> |
| [3]             | Mounting bracket MS6-WP                | 23                        |
| [4]             | Mounting bracket MS6-WPB               | 23                        |
| [5]             | Mounting bracket MS6-WPE               | 23                        |

## Peripherals overview

| Accessories                                                          |                                                                                       | → Page/Internet           |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|
| Type/order code                                                      | Description                                                                           |                           |
| [6] Mounting bracket MS6-WPM                                         |                                                                                       | 23                        |
| [7] Cover cap MS6-END                                                | for devices without connecting plate                                                  | 25                        |
| [8] Module connector MS6-MV1                                         | for device combinations and individual devices with connecting plate                  | 23                        |
| [9] Sub-base-SET MS6-A...                                            | for device combinations                                                               | 25                        |
| [10] Pressure sensor AD11/AD12                                       | Order code [AD11], [AD12]; pressure sensor SPAU with LCD display                      | <a href="#">spau</a>      |
| [11] Connecting cable NEBA-M8...-LE4/NEBA-M12...-LE4                 |                                                                                       | 24                        |
| [12] Pressure sensor AD7 ... AD10                                    | Order code [AD7], [AD8], [AD9], [AD10]; pressure sensor SDE5 with switching indicator | <a href="#">sde5</a>      |
| [13] Connecting cable NEBA-M8...-LE3                                 |                                                                                       | 24                        |
| [14] Adapter for EN pressure gauge                                   | Order code [A8], [A8M], [A4]                                                          | <a href="#">ms6n-lrpb</a> |
| [15] Precision pressure gauge A8M/MAP                                |                                                                                       | 24                        |
| [16] Cover plate VS                                                  |                                                                                       | <a href="#">ms6n-lrpb</a> |
| [17] Precision pressure regulator MS6N-LRPB (manually operated)      | Order code [D2], [D4], [D5], [D7]                                                     | <a href="#">ms6n-lrpb</a> |
| [18] Precision pressure regulator MS6N-LRPB (pneumatically operated) | Order code [P0]                                                                       | <a href="#">ms6n-lrpb</a> |
| [19] Precision pressure regulator MS6N-LRPB (electrically operated)  | Order code [PE10], [PI10]                                                             | <a href="#">ms6n-lrpb</a> |
| [20] Padlock LRVS-D                                                  |                                                                                       | 25                        |

## Peripherals overview

## Peripherals overview – Pressure outlet, front



| Accessories                                |                   | → Page/Internet           |
|--------------------------------------------|-------------------|---------------------------|
| Type/order code                            | Description       |                           |
| [1] Precision pressure regulator MS6N-LRPB |                   | <a href="#">ms6n-lrpb</a> |
| [2] Mounting bracket MS6-WB                | for single device | 23                        |

## Peripherals overview

| Accessories                                                          |                                                                                       | → Page/Internet           |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|
| Type/order code                                                      | Description                                                                           |                           |
| [3] Cover cap MS6-END                                                | for devices without connecting plate                                                  |                           |
| [4] Module connector MS6-MV1                                         | for device combinations and individual devices with connecting plate                  | 23                        |
| [5] Sub-base-SET MS6-A...                                            | for device combinations                                                               | 25                        |
| [6] Angled outlet block B...                                         |                                                                                       | <a href="#">ms6-lrpb</a>  |
| [7] Pressure sensor AD7 ... AD10                                     | Order code [AD7], [AD8], [AD9], [AD10]; pressure sensor SDE5 with switching indicator | <a href="#">sde5</a>      |
| [8] Connecting cable NEBA-M8...-LE3                                  |                                                                                       | 24                        |
| [9] Cover plate VS                                                   |                                                                                       | <a href="#">ms6n-lrpb</a> |
| [10] Precision pressure regulator MS6N-LRPB (manually operated)      | Order code [D2], [D4], [D5], [D7]                                                     | <a href="#">ms6n-lrpb</a> |
| [11] Precision pressure regulator MS6N-LRPB (pneumatically operated) | Order code [P0]                                                                       | <a href="#">ms6n-lrpb</a> |
| [12] Precision pressure regulator MS6N-LRPB (electrically operated)  | Order code [PE10], [PI10]                                                             | <a href="#">ms6n-lrpb</a> |
| [13] Knurled nut MS-LR                                               | for single device (included in the scope of delivery)                                 | <a href="#">ms6n-lrpb</a> |
| [14] Mounting bracket MS6-WR                                         | for single device                                                                     | 23                        |
| [15] Padlock LRVS-D                                                  |                                                                                       |                           |

## Accessories

## Module connector MS6-MV1

|                                                                                   | Size | Module connector material       | LABS (PWIS) conformity | Product weight | Part no.       | Type           |
|-----------------------------------------------------------------------------------|------|---------------------------------|------------------------|----------------|----------------|----------------|
|  | 6    | POM, High-alloy stainless steel | VDMA24364-B1/B2-L      | 33 g           | <b>8119204</b> | <b>MS6-MV1</b> |

## Mounting bracket MS6-WP...

|                                                                                   | Size | Bracket material  | LABS (PWIS) conformity | Product weight | Part no.       | Type              |
|-----------------------------------------------------------------------------------|------|-------------------|------------------------|----------------|----------------|-------------------|
|  | 6    | Die-cast aluminum | VDMA24364-B1/B2-L      |                | <b>1025936</b> | <b>MS6-WPE</b>    |
|                                                                                   |      |                   |                        | 76 g           | <b>532195</b>  | <b>MS6-WP</b>     |
|                                                                                   |      |                   |                        | 115 g          | <b>526074</b>  | <b>MS6-WPB</b>    |
|                                                                                   |      |                   |                        | 144 g          | <b>526073</b>  | <b>MS6-WPM-D</b>  |
|                                                                                   |      |                   |                        | 154 g          | <b>532186</b>  | <b>MS6-WPM-2D</b> |

## Mounting bracket MS6-WB

|                                                                                     | Size | Bracket material | LABS (PWIS) conformity | Product weight | Part no.      | Type          |
|-------------------------------------------------------------------------------------|------|------------------|------------------------|----------------|---------------|---------------|
|  | 6    | Steel            | VDMA24364-B1/B2-L      | 121 g          | <b>532196</b> | <b>MS6-WB</b> |

## Mounting bracket MS6-WR

|                                                                                     | Size | Bracket material | LABS (PWIS) conformity | Product weight | Part no.      | Type          |
|-------------------------------------------------------------------------------------|------|------------------|------------------------|----------------|---------------|---------------|
|  | 6    | Steel            | VDMA24364-B1/B2-L      | 90 g           | <b>526075</b> | <b>MS6-WR</b> |

## Accessories

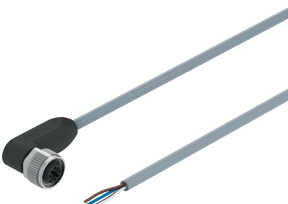
## Pressure sensor SPAU-...-T

|                                                                                  | Pneumatic connection | Electrical connection 1, connection technology | LABS (PWIS) conformity | Product weight | Part no. | Type                               |
|----------------------------------------------------------------------------------|----------------------|------------------------------------------------|------------------------|----------------|----------|------------------------------------|
|  | R1/8                 | M12x1 A-coded as per EN 61076-2-101            | VDMA24364-B1/B2-L      | 70 g           | 8001206  | SPAU-P10R-T-R18M-L-PNLK-PNVBA-M12D |
|                                                                                  |                      | M8x1 A-coded as per EN 61076-2-104             |                        |                | 8001203  | SPAU-P10R-T-R18M-L-PNLK-PNVBA-M8D  |
|                                                                                  | R1/4                 | M12x1 A-coded as per EN 61076-2-101            |                        |                | 8001208  | SPAU-P10R-T-R14M-L-PNLK-PNVBA-M12D |
|                                                                                  |                      | M8x1 A-coded as per EN 61076-2-104             |                        |                | 8001209  | SPAU-P10R-T-R14M-L-PNLK-PNVBA-M8D  |

## Connecting cables NEBA, straight

| Connecting cables NEBA, straight                                                  |                                                |                                                |                                               |              |                       |                        |
|-----------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------------------------------|--------------|-----------------------|------------------------|
|                                                                                   | Electrical connection 1, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/wires | Cable length | Part no.              | Type                   |
|  | M12x1 A-coded as per EN 61076-2-101            | Open end                                       | 4                                             | 2.5 m        | 8078239               | NEBA-M12G5-U-2.5-N-LE4 |
|                                                                                   |                                                |                                                |                                               | 5 m          | 8078240               | NEBA-M12G5-U-5-N-LE4   |
|                                                                                   | M8x1 A-coded as per EN 61076-2-104             |                                                | 3                                             | 2.5 m        | 8078223               | NEBA-M8G3-U-2.5-N-LE3  |
|                                                                                   |                                                |                                                |                                               | 5 m          | 8078224               | NEBA-M8G3-U-5-N-LE3    |
|                                                                                   | 4                                              |                                                | 2.5 m                                         | 8078227      | NEBA-M8G4-U-2.5-N-LE4 |                        |
|                                                                                   |                                                |                                                |                                               |              |                       |                        |

## Connecting cables NEBA, angled

| Connecting cables NEBA, angled                                                     |                                                |                                                |                                               |              |          |                        |  |
|------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------------------------------|--------------|----------|------------------------|--|
|                                                                                    | Electrical connection 1, connection technology | Electrical connection 2, connection technology | Electrical connection 2, number of pins/wires | Cable length | Part no. | Type                   |  |
|  | M12x1 A-coded as per EN 61076-2-101            | Open end                                       | 4                                             | 2.5 m        | 8078248  | NEBA-M12W5-U-2.5-N-LE4 |  |
|                                                                                    |                                                |                                                |                                               | 5 m          | 8078249  | NEBA-M12W5-U-5-N-LE4   |  |
|                                                                                    | M8x1 A-coded as per EN 61076-2-104             |                                                | 3                                             | 2.5 m        | 8078230  | NEBA-M8W3-U-2.5-N-LE3  |  |
|                                                                                    |                                                |                                                |                                               | 5 m          | 8078231  | NEBA-M8W3-U-5-N-LE3    |  |
|                                                                                    |                                                |                                                | 4                                             | 2.5 m        | 8078233  | NEBA-M8W4-U-2.5-N-LE4  |  |
|                                                                                    |                                                |                                                |                                               |              |          |                        |  |

## Precision pressure gauge MAP

|                                                                                    | Conforms to standard | Pneumatic connection | LABS (PWIS) conformity | Product weight | Part no. | Type             |
|------------------------------------------------------------------------------------|----------------------|----------------------|------------------------|----------------|----------|------------------|
|  | EN 837-1             | R1/8                 | VDMA24364-B1/B2-L      | 60 g           | 162842   | MAP-40-4-1/8-EN  |
|                                                                                    |                      |                      |                        |                | 161128   | MAP-40-16-1/8-EN |
|                                                                                    |                      |                      |                        |                | 161126   | MAP-40-1-1/8-EN  |
|                                                                                    |                      |                      |                        |                | 161127   | MAP-40-6-1/8-EN  |

## Accessories

## Cover cap MS6-END

|                                                                                   | Size | Housing material | LABS (PWIS) conformity | Part no.      | Type           |
|-----------------------------------------------------------------------------------|------|------------------|------------------------|---------------|----------------|
|  | 6    | PA-reinforced    | VDMA24364-B1/B2-L      | <b>538780</b> | <b>MS6-END</b> |

## Mounting plate MS6-AEND

|                                                                                   | Size | Housing material | LABS (PWIS) conformity | Product weight | Part no.      | Type             |
|-----------------------------------------------------------------------------------|------|------------------|------------------------|----------------|---------------|------------------|
|  | 6    | PA-reinforced    | VDMA24364-B1/B2-L      | 11.1 g         | <b>535408</b> | <b>MS6-AEND1</b> |

## Sub-base-SET MS6-A...

|                                                                                     | Size | Pneumatic connection 1 | Material of sub-base | Product weight | Part no.      | Type            |
|-------------------------------------------------------------------------------------|------|------------------------|----------------------|----------------|---------------|-----------------|
|  | 6    | 1/4 NPT                | Die-cast aluminum    | 300 g          | <b>526076</b> | <b>MS6N-AQN</b> |
|                                                                                     |      | 3/8 NPT                |                      |                | <b>526077</b> | <b>MS6N-AQP</b> |
|                                                                                     |      | 1/2 NPT                |                      |                | <b>526078</b> | <b>MS6N-AQR</b> |
|                                                                                     |      | 3/4 NPT                |                      |                | <b>526079</b> | <b>MS6N-AQS</b> |

## Padlock LRVS-D

|                                                                                     | LABS (PWIS) conformity | Product weight | Part no.      | Type          |
|-------------------------------------------------------------------------------------|------------------------|----------------|---------------|---------------|
|  | VDMA24364-B1/B2-L      | 120 g          | <b>193786</b> | <b>LRVS-D</b> |