

## Local controllers DLP-VSE

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**Do not use for new designs!**

**- 2 - Type discontinued**

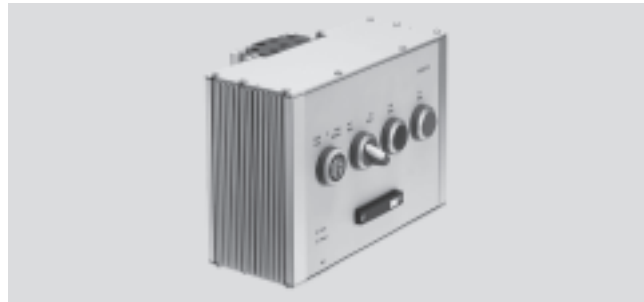
## Local controllers DLP-VSE

Technical data

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This local controller is a convenient manual unit for controlling process actuators. Using a local controller, a pneumatic drive can assume the functionality of an electrical drive.

- Can be mounted directly on the actuator or on a wall
- Emergency compressed air connection
- Safe thanks to its key-operated switch with removable key
- Large, long-life fluorescent display for the open/closed position of the process valve
- Operated on site or remote-controlled



| General technical data                               |  |                     |                     |                         |                        |
|--|--|---------------------|---------------------|-------------------------|------------------------|
| Type   | DLP-<br>VSE-2-5/2-C  | DLP-<br>VSE-2-5/2-O | DLP-<br>VSE-3-5/3-G | DLP-<br>VSE-3-5/3-G-ASI | DLP-<br>VSE-3-5/3-G-DP |
| Type of mounting                                     | Via through-holes  |                     |                     |                         |                        |
|  | Via accessories  |                     |                     |                         |                        |
| Operating pressure [bar]                             | 3 ... 8  |                     |                     |                         |                        |
| Nominal operating pressure [bar]                     | 6  |                     |                     |                         |                        |
| Voltage supply [V DC]                                | 20.4 ... 28.8  |                     |                     | –                       | 20.4 ... 28.8          |
| Voltage supply [V DC]<br>with AS-interface           | –  |                     |                     | 26.5 ... 31.6           | –                      |
| Auxiliary voltage supply [V DC]<br>with AS-interface | –  |                     |                     | 20.4 ... 28.8           | –                      |
| Max. current consumption [mA]                        | 120  |                     |                     | 180                     |                        |
| Duty cycle of solenoid coils [%]                     | 100  |                     |                     |                         |                        |
| Product weight [g]                                   | 1,600  |                     |                     | 1,700                   |                        |
| Protection class                                     | IP65   |                     |                     |                         |                        |
|  | Plug connector when fully pushed in, or fitted with protective cover |                     |                     |                         |                        |

| Operating and environmental conditions       |  |
|--|--|
| Operating medium                             | Filtered compressed air, unlubricated, grade of filtration 50 µm<br>Filtered compressed air, lubricated, grade of filtration 50 µm |
| Ambient temperature [°C]                     | –5 ... +50<br>based on EN 60654-1 class C1 (use in weather-protected areas)  |
| Optional ambient temperature [°C]            | –25 ... +55<br>to EN 60654-1 class C2 (use in weather-protected areas)   |
| Relative air humidity [%]                    | 5 ... 100 condensing   |
| Corrosion resistance class CRC <sup>1)</sup> | 3  |
| CE mark (see declaration of conformity)      | In accordance with EU EMC directive  |

1) Corrosion resistance class 3 to Festo standard 940 070

Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

| Materials       |                                   |
|-----------------|-----------------------------------|
| Housing         | Wrought aluminium alloy           |
| Cap             | Wrought aluminium alloy, anodised |
| External screws | Galvanised steel                  |
| Seals           | Nitrile rubber                    |

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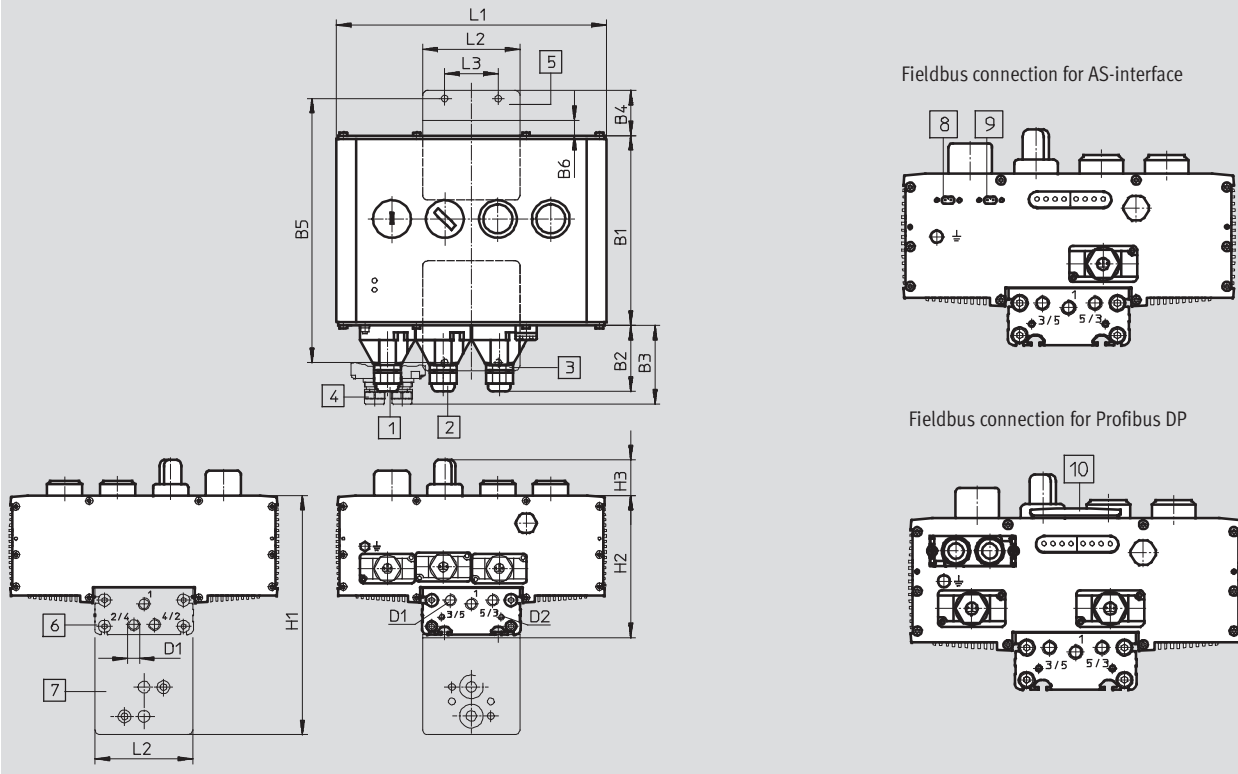
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### Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)



| Size       | B1  | B2   | B3 | B4   | B5  | B6   | D1   | D2 | H1    | H2    | H3 | L1  | L2 | L3 |
|------------|-----|------|----|------|-----|------|------|----|-------|-------|----|-----|----|----|
| DLP-VSE... | 156 | 54.3 | 61 | 36.9 | 217 | 12.5 | G1/8 | M5 | 196.5 | 117.2 | 29 | 222 | 80 | 44 |

|    |   | Standalone           | Fieldbus connection  |                      |
|----|---|----------------------|----------------------|----------------------|
|    |   | PLC                  | AS-interface         | Profibus DP          |
| 1  | Power supply  | ■                    | –                    | ■                    |
| 2  | PLC connection or external controller                               | ■                    | –                    | –                    |
| 3  | Limit switch inputs   | ■                    | ■                    | ■                    |
| 4  | Cable socket for AS-interface<br>Sub-D plug                         | –                    | ■<br>Accessories → 5 | ■<br>Accessories → 5 |
| 5  | Mounting kit DLP-VSE-BP for wall mounting                           | ■<br>Accessories → 5 | ■<br>Accessories → 5 | ■<br>Accessories → 5 |
| 6  | Sub-base DLP-VSE-OBEN for wall mounting                             | ■<br>Accessories → 5 | ■<br>Accessories → 5 | ■<br>Accessories → 5 |
| 7  | Sub-base DLP-VSE-OBEN-NAMUR for mounting on the linear actuator DLP | ■<br>Accessories → 5 | ■<br>Accessories → 5 | ■<br>Accessories → 5 |
| 8  | Voltage supply with AS-interface                                    | –                    | ■                    | –                    |
| 9  | AS-interface bus connection   | –                    | ■                    | –                    |
| 10 | Switch cover for Profibus addressing                                | –                    | –                    | ■                    |

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Technical data

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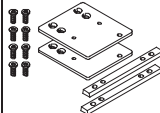
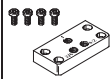
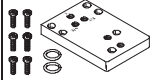


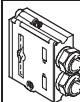





| Ordering data   |                |                            |
|---|----------------|----------------------------|
| Brief description   | Part No.       | Type                       |
| Integrated 5/2-way valve, converted mechanically into a 3/2-way valve, normally closed, by sealing working port 2 | <b>188 463</b> | <b>DLP-VSE-2-5/2-C</b>     |
| Integrated 5/2-way valve, converted mechanically into a 3/2-way valve, normally open, by sealing working port 4   | <b>188 466</b> | <b>DLP-VSE-2-5/2-O</b>     |
| Integrated 5/3-way valve, normally closed   | <b>188 472</b> | <b>DLP-VSE-3-5/3-G</b>     |
| Integrated 5/3-way valve, normally closed, with AS-interface fieldbus connection                                  | <b>188 473</b> | <b>DLP-VSE-3-5/3-G-ASI</b> |
| Integrated 5/3-way valve, normally closed, with Profibus DP fieldbus connection                                   | <b>188 474</b> | <b>DLP-VSE-3-5/3-G-DP</b>  |

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## Local controllers DLP-VSE

Accessories

| Ordering data   |  |          |                    |                  |
|---|--|----------|--------------------|------------------|
|   | Brief description  | Part No. | Type               | PU <sup>1)</sup> |
| <b>Mounting</b>   |  |          |                    |                  |
|                  | Mounting kit for wall mounting in conjunction with the sub-base DLP-VSE-OBEN                             | 192 062  | DLP-VSE-BP         | 1                |
|                  | Sub-base in conjunction with mounting kit DLP-VSE-BP for tubing connection in the direction of the drive | 192 061  | DLP-VSE-OBEN       | 1                |
|                  | Sub-base for mounting on the linear valve actuator DLP   | 192 060  | DLP-VSE-OBEN-NAMUR | 1                |
| <b>Fieldbus connection</b> <span style="float: right;">Technical data → Internet: asi, fbs</span> |  |          |                    |                  |
|                  | Cable socket for AS-interface  | 18 785   | ASI-SD-FK          | 1                |
|                 | Cable socket for AS-interface  | 196 089  | ASI-SD-FK180       | 1                |
|                | Sub-D plug for Profibus DP   | 532 216  | FBS-SUB-9-GS-DP-B  | 1                |
| <b>Fittings</b> <span style="float: right;">Technical data → Internet: fittings</span>            |  |          |                    |                  |
|                | Push-in fitting, male thread with internal hex   | 153 015  | QS-1/8-8-I         | 1                |
|                | Barbed fitting, high-alloy stainless steel with sealing ring   | 13 967   | CRCN-M5-PK-3       | 1                |
|   | Barbed fitting, high-alloy stainless steel with sealing ring   | 13 970   | CRCN-1/8-PK-4      | 1                |
|                | Quick connector, aluminium design with sealing ring for plastic tubing PL, PP, PU                        | 3 561    | CK-M5-PK-3         | 10               |
|   | Quick connector, plastic design with moulded-on sealing ring for plastic tubing PL, PP, PU               | 2 028    | CK-1/8-PK-6        | 10               |
| <b>Silencer</b> <span style="float: right;">Technical data → Internet: u</span>                   |  |          |                    |                  |
|                | Sintered bronze  | 4 645    | U-M5               | 10               |
|                | Polymer  | 2 307    | U-1/8              | 1                |

1) Packaging unit quantity

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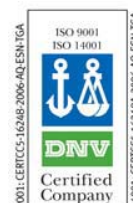
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