

# Pressure and vacuum switches PEV/VPEV, PE converters PE/PEN/VPE

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Product overview



- Mechanical pressure and vacuum switches with adjustable switching point
- PE converter
- Designs with adjustable hysteresis
- Designs with switching status display
- Variant with scale for pressure adjustment
- Wide range of mounting options

Detailed product information

➔ [www.festo.com/catalogue/pev](http://www.festo.com/catalogue/pev)

| Product overview                                  |                                 |              |                      |                      |                               |            |                     |
|---|---------------------------------|--------------|----------------------|----------------------|-------------------------------|------------|---------------------|
| Method of measurement                             | Operating pressure<br><br>[bar] | Type         | Pneumatic connection | Type of mounting     | Max. switching output voltage |            | ➔ Page/<br>Internet |
|   |                                 |              |                      |                      | [V DC]                        | [V AC]     |                     |
| Pressure switches                                 |                                 |              |                      |                      |                               |            |                     |
| Pneumatic/electrical pressure transducer          | 1 ... 12                        | PEV-1¼-B-M12 | G¼                   | With through-holes   | 48                            | 48         | 2                   |
|   |                                 | PEV-1¼-B     |                      |                      | 125                           | 250        |                     |
|   |                                 | PEV-1¼-SC-OD |                      |                      | 125                           | 250        |                     |
|   | 0 ... 8                         | PEV-W        | M5                   | Via DIN H-rail       | 10 ... 30                     | –          | 4                   |
|   | 1 ... 10                        | PEV-1¼-A     | G¼                   | Screw-in             | 250                           | 250        | 7                   |
| Vacuum switches                                   |                                 |              |                      |                      |                               |            |                     |
| Pneumatic/electrical pressure transducer          | –1 ... 1.6                      | VPEV-1⁄8-M12 | G1⁄8                 | Via through-hole     | 48                            | 48         | 2                   |
|   |                                 | VPEV-1⁄8     |                      |                      | 125                           | 250        |                     |
|   | –1 ... 0                        | VPEV-W       | M5                   | Via DIN H-rail       | 10 ... 30                     | –          | 4                   |
| PE converter                                      |                                 |              |                      |                      |                               |            |                     |
| Pneumatic/electrical differential pressure switch | –1 ... +8                       | PEN-M5       | M5                   | On mounting frame 2N | 10 ... 30                     | –          | 8                   |
| Pneumatic/electrical pressure transducer          | 0 ... 8                         | PE-1⁄8-2N    | G1⁄8                 | On mounting frame 2N | 12 ... 250                    | 12 ... 250 |                     |
|   | –0.95 ... 0                     | VPE-1⁄8-2N   | G1⁄8                 | On mounting frame 2N | 12 ... 250                    | 12 ... 250 |                     |

# Pressure and vacuum switches PEV/VPEV, with through-holes

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Type codes, technical data

## Type codes

|                              |  |     |   |     |   |   |   |  |   |  |   |  |
|------------------------------|--|-----|---|-----|---|---|---|--|---|--|---|--|
|                              |  | PEV | - | 1/4 | - | B | - |  | - |  | - |  |
| <b>Type</b>                  |  |     |   |     |   |   |   |  |   |  |   |  |
| PEV                          | Pressure switch                          |     |   |     |   |   |   |  |   |  |   |  |
| VPEV                         | Vacuum switch                            |     |   |     |   |   |   |  |   |  |   |  |
| <b>Pneumatic connection</b>  |  |     |   |     |   |   |   |  |   |  |   |  |
| 1/8                          | G1/8                                     |     |   |     |   |   |   |  |   |  |   |  |
| 1/4                          | G1/4                                     |     |   |     |   |   |   |  |   |  |   |  |
| <b>Generation</b>            |  |     |   |     |   |   |   |  |   |  |   |  |
| B                            | B series                                 |     |   |     |   |   |   |  |   |  |   |  |
| <b>Electrical connection</b> |  |     |   |     |   |   |   |  |   |  |   |  |
| -                            | Plug, square design to EN 43 650, type A |     |   |     |   |   |   |  |   |  |   |  |
| M12                          | Plug, M12x1, 4-pin, round design         |     |   |     |   |   |   |  |   |  |   |  |
| <b>Setting options</b>       |  |     |   |     |   |   |   |  |   |  |   |  |
| SC                           | Scale for pressure adjustment            |     |   |     |   |   |   |  |   |  |   |  |
| <b>Plug socket</b>           |  |     |   |     |   |   |   |  |   |  |   |  |
| -                            | Included in scope of delivery            |     |   |     |   |   |   |  |   |  |   |  |
| OD                           | Not included in scope of delivery        |     |   |     |   |   |   |  |   |  |   |  |

| Technical data                          |        |   |                                 |   |          |
|---|--------|---|---------------------------------|---|----------|
| Type                                    |        | PEV-1/4-B-M12   | PEV-1/4-B(-OD)<br>PEV-1/4-SC-OD | VPEV-1/8-M12  | VPEV-1/8 |
| Design                                  |        |   |                                 |   |          |
| Pneumatic connection                    |        | G1/4  |                                 | G1/8  |          |
|   |        |   |                                 |   |          |
| Electrical data                         |        |   |                                 |   |          |
| Max. switching output voltage           | [V DC] | 48  | 125                             | 48  | 125      |
|   | [V AC] | 48  | 250                             | 48  | 250      |
| Switching element function              |        | Changeover switch   |                                 |   |          |
| Max. output current                     | [mA]   | 5,000   |                                 | –   |          |
| Protection against short circuit        |        | No  |                                 |   |          |
| Protection against polarity reversal    |        | Yes   |                                 |   |          |
| Protection class                        |        | IP65  |                                 |   |          |
|   |        |   |                                 |   |          |
| Operating and environmental conditions  |        |   |                                 |   |          |
| Operating medium                        |        | Filtered compressed air, lubricated or unlubricated<br>Water<br>Mineral oil |                                 | Filtered compressed air, lubricated or unlubricated<br>Vacuum, lubricated or unlubricated |          |
| Operating pressure                      | [bar]  | 1 ... 12  |                                 | –1 ... +1.6   |          |
| Ambient temperature                     | [°C]   | –20 ... +80   |                                 |   |          |
| Conforms to                             |        | EN 60947-5-1  |                                 |   |          |
| CE mark (see declaration of conformity) |        | In accordance with EU Low Voltage Directive                                 |                                 |   |          |
| Certification                           |        | CCC   |                                 |   |          |
|   |        | c UL us - Recognized (OL)   | –                               | c UL us - Recognized (OL)   | –        |
|   |        |   |                                 |   |          |
| Materials                               |        |   |                                 |   |          |
| Housing                                 |        | Wrought aluminium alloy   |                                 |   |          |
| Note on materials                       |        | RoHS-compliant  |                                 | RoHS-compliant  |          |

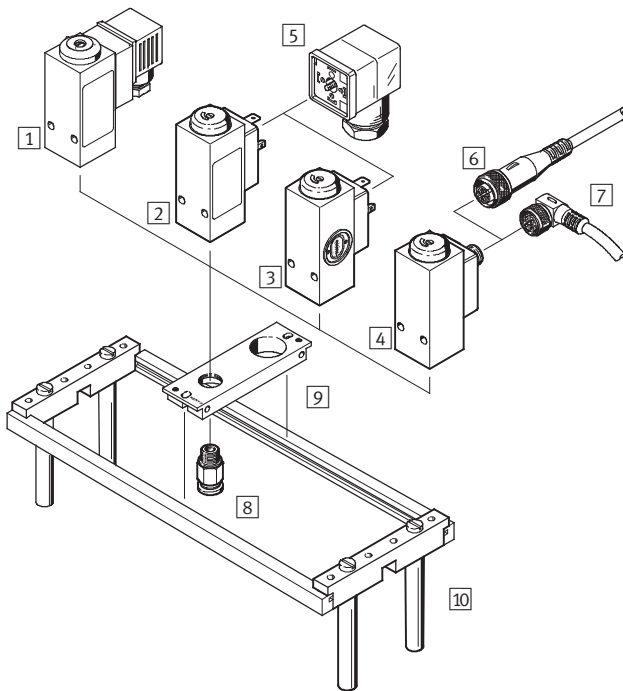
# Pressure and vacuum switches PEV/VPEV, with through-holes

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Technical data, peripherals overview

| Ordering data     |  |                       |                                      |                                  |          |               |
|-------------------|--|-----------------------|--------------------------------------|----------------------------------|----------|---------------|
| Description       | Electrical connection                    | Adjustable hysteresis | Visual scale for pressure adjustment | Plug socket in scope of delivery | Part No. | Type          |
| Pressure switches |  |                       |                                      |                                  |          |               |
|                   | Plug, square design to DIN 43650, type A | ■                     | —                                    | ■                                | 10773    | PEV-1/4-B     |
|                   |  | ■                     | —                                    | —                                | 175250   | PEV-1/4-B-OD  |
|                   |  | —                     | ■                                    | —                                | 161760   | PEV-1/4-SC-OD |
|                   | Plug M12x1, 4-pin                        | ■                     | —                                    | —                                | 192488   | PEV-1/4-B-M12 |
| Vacuum switches   |  |                       |                                      |                                  |          |               |
|                   | Plug, square design to DIN 43650, type A | ■                     | —                                    | ■                                | 150261   | VPEV-1/8      |
|                   | Plug M12x1, 4-pin                        | ■                     | —                                    | —                                | 192489   | VPEV-1/8-M12  |

## Peripherals overview



| Accessories |  |
|-------------|--|
| 1           | Pressure switch PEV-1/4-B-..., vacuum switch VPEV-1/8  |
| 2           | Pressure switch PEV-1/4-B-OD-...   |
| 3           | Pressure switch PEV-1/4-SC-OD-... with scale for pressure adjustment   |
| 4           | Pressure switch PEV-1/4-B-M12, vacuum switch VPEV-1/8-M12  |
| 5           | Plug socket PEV-1/4-WD-LED-... with switching status display<br>Plug socket MSSD-C-4P without switching status display |
| 6           | Connecting cable NEBU-M12G5-... with straight socket   |
| 7           | Connecting cable NEBU-M12W5-... with angled socket   |
| 8           | Push-in fitting QS-...   |
| 9           | Mounting plate APL-2N-PEV  |
| 10          | Mounting frame NRRQ-2N   |

| Ordering data – Plug sockets |                                  |          |                    |
|------------------------------|----------------------------------|----------|--------------------|
|                              | Description                      | Part No. | Type               |
|                              | With switching status display    | 164274   | PEV-1/4-WD-LED-24  |
|                              |                                  | 164275   | PEV-1/4-WD-LED-230 |
|                              | Without switching status display | 171157   | MSSD-C-4P          |

| Ordering data – Connecting cables |                 |                  |                           |
|-----------------------------------|-----------------|------------------|---------------------------|
| Technical data → Internet: nebu   |                 |                  |                           |
|                                   | Number of wires | Cable length [m] | Part No. Type             |
| M12x1, straight socket            |                 |                  |                           |
|                                   | 4               | 5                | 541328 NEBU-M12G5-K-5-LE4 |
| M12x1, angled socket              |                 |                  |                           |
|                                   | 4               | 5                | 541329 NEBU-M12W5-K-5-LE4 |

| Ordering data – Push-in fittings      |          |           |
|---------------------------------------|----------|-----------|
| Technical data → Internet: quick star |          |           |
|                                       | Part No. | Type      |
|                                       | 186097   | QS-G1/4-6 |
|                                       | 186099   | QS-G1/4-8 |

| Ordering data – Mounting attachments |                   |
|--------------------------------------|-------------------|
|                                      | Part No. Type     |
|                                      | 9349 APL-2N-PEV   |
|                                      | 9365 NRRQ-2N      |
|                                      | 11571 NRW-9/1,5-B |

# Pressure and vacuum switches PEV-W/VPEV-W, DIN H-rail mounting

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Type codes, technical data

## Type codes

|                                 |                                     |       |   |    |   |     |   |    |
|---------------------------------|-------------------------------------|-------|---|----|---|-----|---|----|
|                                 |                                     | PEV-W | – | KL | – | LED | – | GH |
| <b>Type</b>                     |                                     |       |   |    |   |     |   |    |
| PEV-W                           | Pressure switch                     |       |   |    |   |     |   |    |
| VPEV-W                          | Vacuum switch                       |       |   |    |   |     |   |    |
| <b>Electrical connection</b>    |                                     |       |   |    |   |     |   |    |
| KL                              | Screw terminal, 4-pin               |       |   |    |   |     |   |    |
| S                               | Plug, M8x1, 4-pin                   |       |   |    |   |     |   |    |
| <b>Switching status display</b> |                                     |       |   |    |   |     |   |    |
| LED                             | Yellow LED                          |       |   |    |   |     |   |    |
| <b>Type of mounting</b>         |                                     |       |   |    |   |     |   |    |
| GH                              | Via DIN H-rail or via through-holes |       |   |    |   |     |   |    |

## Technical data

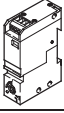
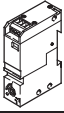
| Type                                    |        | PEV-W   | VPEV-W  |
|---|--------|---|---|
| Design                                  |        |   |   |
| Pneumatic connection                    |        | M5  | M5  |
| Electrical data                         |        |   |   |
| Operating voltage range                 | [V DC] | 10 ... 30   | 10 ... 30   |
|   | [V AC] | –   | –   |
| Switching element function              |        | Changeover switch                                   |   |
| Max. output current                     | [mA]   | 2,500   | 2,500   |
| Protection against short circuit        |        | No  |   |
| Protection against polarity reversal    |        | Yes   |   |
| Protection class                        |        | IP65  |   |
| Operating and environmental conditions  |        |   |   |
| Operating medium                        |        | Filtered compressed air, lubricated or unlubricated | Filtered compressed air, lubricated or unlubricated<br>Vacuum, lubricated or unlubricated |
| Operating pressure                      | [bar]  | 0 ... 8   | 0 ... –1  |
| Ambient temperature                     |        | [°C] –20 ... +80                                    |   |
| CE mark (see declaration of conformity) |        | In accordance with EU EMC directive <sup>1)</sup>   |   |
| Certification                           |        | C-Tick  |   |
| Materials                               |        |   |   |
| Housing                                 |        | Wrought aluminium alloy                             |   |
| Note on materials                       |        | RoHS-compliant                                      |   |

- 1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: [www.festo.com](http://www.festo.com) → Support → User documentation.  
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

## Pressure and vacuum switches PEV-W/VPEV-W, DIN H-rail mounting

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Technical data

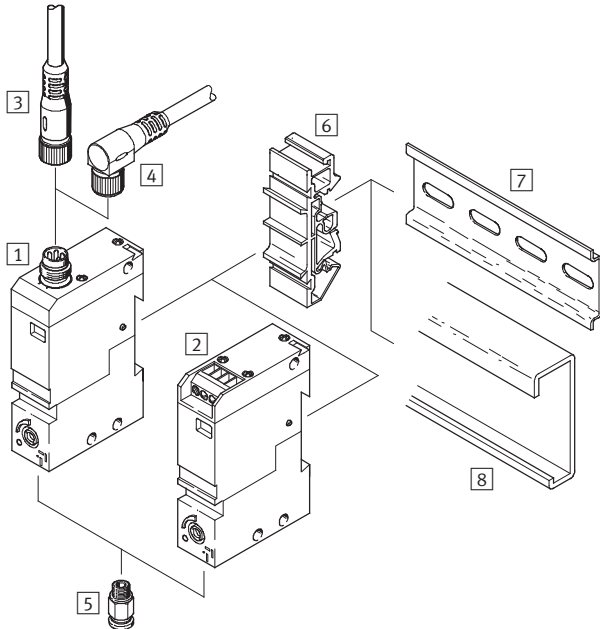
| Ordering data   |                       |                                  |          |                  |
|---|-----------------------|----------------------------------|----------|------------------|
| Description   | Electrical connection | Plug socket in scope of delivery | Part No. | Type             |
| Pressure switches   |                       |                                  |          |                  |
|  | Screw terminal, 4-pin | –                                | 152618   | PEV-W-KL-LED-GH  |
|   | Plug, M8x1, 4-pin     | –                                | 152616   | PEV-W-S-LED-GH   |
| Vacuum switches   |                       |                                  |          |                  |
|  | Screw terminal, 4-pin | –                                | 152619   | VPEV-W-KL-LED-GH |
|   | Plug, M8x1, 4-pin     | –                                | 152617   | VPEV-W-S-LED-GH  |

# Pressure and vacuum switches PEV-W/VPEV-W, DIN H-rail mounting

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Peripherals overview



## Peripherals overview



| Accessories |   |
|-------------|---|
| 1           | Pressure switch PEV-W-S-... with plug M8x1<br>Vacuum switch VPEV-W-S-... with plug M8x1               |
| 2           | Pressure switch PEV-W-KL-... with screw terminals<br>Vacuum switch VPEV-W-KL-... with screw terminals |
| 3           | Connecting cable NEBU-M8G4-... with straight socket   |
| 4           | Connecting cable NEBU-M8W4-... with angled socket   |
| 5           | Push-in fitting QSM-M5  |
| 6           | Mounting latch PENV-BGH   |
| 7           | Mounting rail to DIN EN 60715   |
| 8           | Mounting rail to DIN EN 50035   |


## Ordering data – Connecting cables

Technical data → Internet: nebu


|   | Number of wires | Cable length [m] | Part No. | Type                |
|---|-----------------|------------------|----------|---------------------|
| M8x1, straight socket   |                 |                  |          |                     |
|  | 4               | 2.5              | 541342   | NEBU-M8G4-K-2.5-LE4 |
|   |                 | 5                | 541343   | NEBU-M8G4-K-5-LE4   |
| M8x1, angled socket   |                 |                  |          |                     |
|  | 4               | 2.5              | 541344   | NEBU-M8W4-K-2.5-LE4 |
|   |                 | 5                | 541345   | NEBU-M8W4-K-5-LE4   |

## Ordering data – Push-in fittings

Technical data → Internet: quick star

|   | For tubing O.D. [mm] | Part No. | Type     |
|---|----------------------|----------|----------|
|  | 3                    | 153302   | QSM-M5-3 |
|   | 4                    | 153304   | QSM-M5-4 |
|   | 6                    | 153306   | QSM-M5-6 |

## Ordering data – Accessories

|   | Part No. | Type     |
|---|----------|----------|
|  | 164597   | PENV-BGH |

# Pressure switches PEV, screw-in

Type codes, technical data

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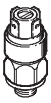
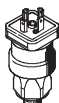
## Type codes

|                              |                                    |     |   |     |   |   |   |      |   |  |
|------------------------------|------------------------------------|-----|---|-----|---|---|---|------|---|--|
|                              |                                    | PEV | – | 1/4 | – | A | – | SW27 | – |  |
| <b>Type</b>                  |                                    |     |   |     |   |   |   |      |   |  |
| PEV                          | Pressure switch                    |     |   |     |   |   |   |      |   |  |
| <b>Pneumatic connection</b>  |                                    |     |   |     |   |   |   |      |   |  |
| 1/4                          | G1/4                               |     |   |     |   |   |   |      |   |  |
| <b>Generation</b>            |                                    |     |   |     |   |   |   |      |   |  |
| A                            | A series                           |     |   |     |   |   |   |      |   |  |
| <b>Width across flats</b>    |                                    |     |   |     |   |   |   |      |   |  |
| SW27                         | 27 mm                              |     |   |     |   |   |   |      |   |  |
| <b>Electrical connection</b> |                                    |     |   |     |   |   |   |      |   |  |
| –                            | For plug socket PEV-1/4-A-WD       |     |   |     |   |   |   |      |   |  |
| B-OD                         | For plug socket PEV-1/4-WD-LED-... |     |   |     |   |   |   |      |   |  |



## Technical data

|   |   |              |                     |
|---|---|--------------|---------------------|
| Type                                    | PEV-1/4-A-SW27                                      |              | PEV-1/4-A-SW27-B-OD |
| Design                                  |   |              |                     |
| Pneumatic connection                    | G1/4  |              |                     |
| Electrical data                         |   |              |                     |
| Operating voltage range                 | [V DC]  | 12 ... 250   |                     |
| Max. switching output voltage           | [V DC]  | 250          |                     |
|   | [V AC]  | 250          |                     |
| Switching element function              | Changeover switch                                   |              |                     |
| Max. output current                     | [mA]  | 4,000        |                     |
| Protection against short circuit        | No  |              |                     |
| Protection against polarity reversal    | No  |              |                     |
| Protection class                        | IP65  |              |                     |
| Operating and environmental conditions  |   |              |                     |
| Operating medium                        | Filtered compressed air, lubricated or unlubricated |              |                     |
| Operating pressure                      | [bar]   | 1 ... 10     |                     |
| Ambient temperature                     | [°C]  | -30 ... +100 | -20 ... +100        |
| CE mark (see declaration of conformity) | In accordance with EU Low Voltage Directive         |              |                     |
| Materials                               |   |              |                     |
| Housing                                 | Galvanised steel                                    |              |                     |

## Ordering data

|   |   | Electrical connection | Plug socket in scope of delivery | Part No. | Type                |
|---|---|-----------------------|----------------------------------|----------|---------------------|
|  |  | Plug, 4-pin           | –                                | 159259   | PEV-1/4-A-SW27      |
|   |   | Plug, 4-pin           | –                                | 175252   | PEV-1/4-A-SW27-B-OD |

## Ordering data – Plug sockets

|   |   | Description                             | Operating voltage range |        | Part No. | Type               |
|---|---|---|-------------------------|--------|----------|--------------------|
|   |   |   | [V DC]                  | [V AC] |          |                    |
|  |  | For pressure switch PEV-1/4-A-SW27      | ≤180                    | ≤230   | 161209   | PEV-1/4-A-WD       |
|   |   | For pressure switch PEV-1/4-A-SW27-B-OD | 15 ... 30               | –      | 164274   | PEV-1/4-WD-LED-24  |
|   |   |   | ≤180                    | ≤230   | 164275   | PEV-1/4-WD-LED-230 |

# PE converter PE/PEN/VPE

Type codes, technical data

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## Type codes

|                             |                         |    |   |     |   |    |   |    |
|-----------------------------|-------------------------|----|---|-----|---|----|---|----|
|                             |                         | PE | – | 1/8 | – | 2N | – | SW |
| <b>Type</b>                 |                         |    |   |     |   |    |   |    |
| PE                          | PE converter            |    |   |     |   |    |   |    |
| PEN                         | PE converter            |    |   |     |   |    |   |    |
| VPE                         | PE converter for vacuum |    |   |     |   |    |   |    |
| <b>Pneumatic connection</b> |                         |    |   |     |   |    |   |    |
| 1/8                         | G1/8                    |    |   |     |   |    |   |    |
| M5                          | Female thread M5        |    |   |     |   |    |   |    |
| <b>Type of mounting</b>     |                         |    |   |     |   |    |   |    |
| 2N                          | On mounting frame 2N    |    |   |     |   |    |   |    |
| <b>Width across flats</b>   |                         |    |   |     |   |    |   |    |
| SW                          | Splash proof design     |    |   |     |   |    |   |    |

## Technical data

| Type  |        | PE-1/8-2N  | PE-1/8-2N-SW | PEN-M5  | VPE-1/8-2N                                  | VPE-1/8-2N-SW |
|---|--------|--|--------------|---|---|---------------|
| <b>Design</b>                                 |        |  |              |   |   |               |
| Pneumatic connection                          |        | G1/8   |              | M5  | G1/8  |               |
| <b>Electrical data</b>                        |        |  |              |   |   |               |
| Operating voltage range                       | [V DC] | 12 ... 250   |              | 12 ... 30   | 12 ... 250                                  |               |
|   | [V AC] | 12 ... 250   |              | –   | 12 ... 250                                  |               |
| Switch output                                 |        | –  |              | PNP   | –   |               |
| Switching element function                    |        | Changeover switch  |              | N/O contact                                       | Changeover switch                           |               |
| Max. output current                           | [mA]   | 4,000  |              | 350   | 4,000                                       |               |
| Minimum load current                          | [mA]   | 100  |              | –   | 100   |               |
| Protection against short circuit              |        | No   |              | Yes   | No  |               |
| Protection against polarity reversal          |        | No   |              |   |   |               |
| Protection class                              |        | IP00, IP20 with protective cap   | IP67         | IP67  | IP00, IP20 with protective cap              | IP67          |
| <b>Operating and environmental conditions</b> |        |  |              |   |   |               |
| Operating medium                              |        | Filtered compressed air, lubricated or unlubricated, grade of filtration 40 µm |              |   |   | Vacuum        |
|   |        | –  |              |   |   |               |
| Operating pressure                            | [bar]  | 0 ... 8  |              | –1 ... +8   | –0.95 ... 0                                 |               |
| Ambient temperature                           | [°C]   | 0 ... 60   |              | –20 ... +60                                       | 0 ... 60                                    |               |
| CE mark (see declaration of conformity)       |        | In accordance with EU Low Voltage Directive                                    |              | In accordance with EU EMC directive <sup>1)</sup> | In accordance with EU Low Voltage Directive |               |
| Certification                                 |        | CCC  |              | C-Tick  | CCC   |               |
| <b>Materials</b>                              |        |  |              |   |   |               |
| Housing                                       |        | Die-cast aluminium, polyamide  |              | Die-cast zinc                                     | Die-cast aluminium, polyamide               |               |

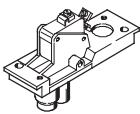
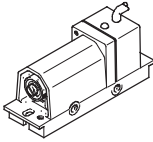
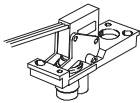
1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: [www.festo.com](http://www.festo.com) → Support → User documentation.  
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.



## PE converters PE/PEN/VPE

Technical data

**FESTO**

| Ordering data   |                          |                       |              |                      |
|---|--------------------------|-----------------------|--------------|----------------------|
|   | Operating pressure [bar] | Electrical connection | Part No.     | Type                 |
|  | 0 ... 8                  | Screw terminal        | <b>7860</b>  | <b>PE-1/8-2N</b>     |
|   |                          | 3 wires               | <b>7862</b>  | <b>PE-1/8-2N-SW</b>  |
|  | -1 ... +8                | Cable, 3-wire         | <b>8625</b>  | <b>PEN-M5</b>        |
|  | -0.95 ... 0              | Screw terminal        | <b>12594</b> | <b>VPE-1/8-2N</b>    |
|   |                          | 3 wires               | <b>12595</b> | <b>VPE-1/8-2N-SW</b> |

## Product Range and Company Overview

### A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



**Custom Automation Components**  
Complete custom engineered solutions



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**Complete Systems**  
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Electromechanical actuators, motors, controllers & drives



**Pneumatics**  
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**PLCs and I/O Devices**  
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### Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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# Festo North America

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**Email:** [customer.service@us.festo.com](mailto:customer.service@us.festo.com)

For technical support,

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