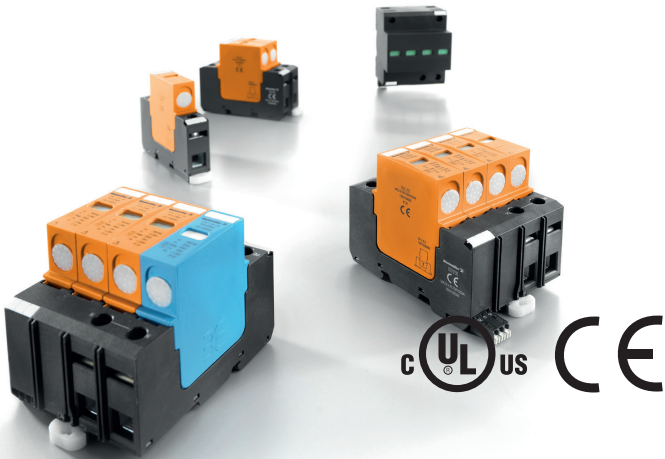


## Datasheet • Electronic VARITECTOR PU II UL Series Surge Protectors

### Type II UL 1449 Ed. 4

- Installation-ready modules specifically for NA power distribution
- SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level



**Weidmüller, Canada**  
10 Spy Court  
Markham, Ontario L3R 5H6  
Telephone: (800) 268-4080  
Facsimile: (877) 300-5635  
Email: [info1@weidmuller.ca](mailto:info1@weidmuller.ca)  
Website: [www.weidmuller.ca](http://www.weidmuller.ca)

**Weidmüller, Mexico**  
Bldv. Hermanos Serdán 698,  
Col. San Rafael Oriente  
Puebla, Puebla, Mexico  
C.P. 72029  
Telephone: 01 222 2686267  
Facsimile: 01 222 2686219  
Email: [clientes@weidmuller.com.mx](mailto:clientes@weidmuller.com.mx)  
Website: [www.weidmuller.com.mx](http://www.weidmuller.com.mx)

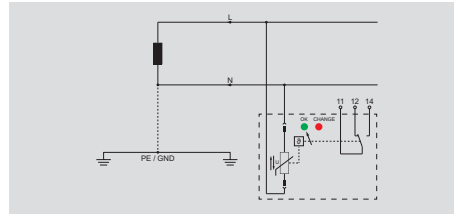
**Weidmüller, United States**  
821 Southlake Blvd.  
Richmond, Virginia 23236  
Telephone: (800) 849-9343  
Facsimile: (804) 379-2593  
Email: [info@weidmuller.com](mailto:info@weidmuller.com)  
Website: [www.weidmuller.com](http://www.weidmuller.com)

**VARITECTOR PU II UL Series**

- Single-Phase, 1 Pole
- VPU II 1 SP 127 V / R:
  - Single-phase two-wire system
  - Neutral is available
- VPU II 1 SP 277 V / R:
  - Mostly without GDT (Gas Discharge Tube)

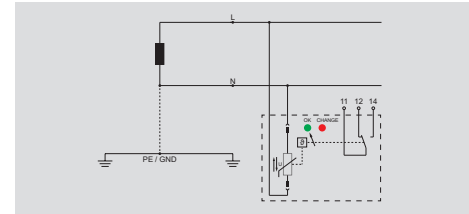
**VPU II 1 SP 127 V/R**

Single Phase



**VPU II 1 SP 277 V/R**

Single Phase



**Technical data**

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 120 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20μs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>N</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 1TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 127 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 240 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       | 250 V 1A 1CO                                      |

| 120 V                                             |                                   |
|---------------------------------------------------|-----------------------------------|
| 180 V                                             |                                   |
| Type II / T2                                      |                                   |
| 20 kA                                             |                                   |
| 40 kA                                             |                                   |
| 25 kA                                             |                                   |
| ≤ 25 ns                                           |                                   |
| 125 A gL (if back-up fuse > 125 A)                |                                   |
| ≤ 0.9 kV                                          |                                   |
| green = OK; red = arrester is defective - replace |                                   |
| Installation housing; 1TE, Insta IP 20            |                                   |
| Black, Arrester red                               |                                   |
| -40 °C...70 °C                                    |                                   |
| -40 °C...85 °C                                    |                                   |
| Rated data UL                                     |                                   |
| 127 V                                             |                                   |
| 180 V                                             |                                   |
| 20 kA                                             |                                   |
| 180 Vac                                           |                                   |
| 200 kA                                            |                                   |
| 800 V                                             |                                   |
| 240 V                                             |                                   |
| SPD TYPE 1CA/2CA                                  |                                   |
| VZCA.E354261                                      |                                   |
| Connection according to IEC 947-7-1               |                                   |
| 4...50 mm <sup>2</sup>                            |                                   |
| 15 mm                                             |                                   |
| 2...3 Nm                                          |                                   |
| Approvals                                         |                                   |
| cURus                                             |                                   |
| IEC61643-11, EN61643-11, UL 1449 Ed.4             |                                   |
| Dimensions / Signalling contact info              |                                   |
| <b>no remote sig. contact</b>                     | <b>with remote signalling (R)</b> |
| 16 / 4 / 25                                       | 16 / 4 / 25                       |
| 94 / 18 / 69                                      | 106 / 18 / 69                     |
|                                                   | 250 V 1A 1CO                      |

| 230 V                                             |                                   |
|---------------------------------------------------|-----------------------------------|
| 385 V                                             |                                   |
| Type II / T2                                      |                                   |
| 20 kA                                             |                                   |
| 40 kA                                             |                                   |
| 25 kA                                             |                                   |
| ≤ 25 ns                                           |                                   |
| 125 A gL (if back-up fuse > 125 A)                |                                   |
| ≤ 1.85 kV                                         |                                   |
| green = OK; red = arrester is defective - replace |                                   |
| Installation housing; 1TE, Insta IP 20            |                                   |
| Black, Arrester red                               |                                   |
| -40 °C...70 °C                                    |                                   |
| -40 °C...85 °C                                    |                                   |
| Rated data UL                                     |                                   |
| 277 V                                             |                                   |
| 385 V                                             |                                   |
| 20 kA                                             |                                   |
| 385 Vac                                           |                                   |
| 200 kA                                            |                                   |
| 1500 V                                            |                                   |
| 480 V                                             |                                   |
| SPD TYPE 1CA/2CA                                  |                                   |
| VZCA.E354261                                      |                                   |
| Connection according to IEC 947-7-1               |                                   |
| 4...50 mm <sup>2</sup>                            |                                   |
| 15 mm                                             |                                   |
| 2...3 Nm                                          |                                   |
| Approvals                                         |                                   |
| cURus                                             |                                   |
| IEC61643-11, EN61643-11, UL 1449 Ed.4             |                                   |
| Dimensions / Signalling contact info              |                                   |
| <b>no remote sig. contact</b>                     | <b>with remote signalling (R)</b> |
| 16 / 4 / 25                                       | 16 / 4 / 25                       |
| 94 / 18 / 69                                      | 106 / 18 / 69                     |
|                                                   | 250 V 1A 1CO                      |

**Ordering data**

|                                    |  |
|------------------------------------|--|
| without remote signalling contact  |  |
| with remote signalling contact (R) |  |

| Type               | Qty. | Part No.          |
|--------------------|------|-------------------|
| VPU II 1 SP 127V   | 1    | <b>2025830000</b> |
| VPU II 1 SP 127V R | 1    | <b>2025040000</b> |

| Type               | Qty. | Part No.          |
|--------------------|------|-------------------|
| VPU II 1 SP 277V   | 1    | <b>2025800000</b> |
| VPU II 1 SP 277V R | 1    | <b>2025050000</b> |

**Accessories**

| Note |
|------|
|      |

|                                                     |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 180V - 2025070000 |
|-----------------------------------------------------|

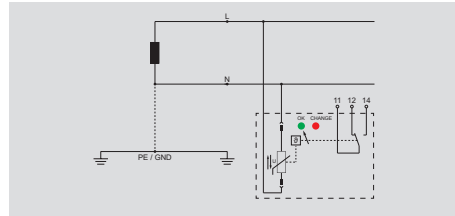
|                                                     |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 385V - 2025100000 |
|-----------------------------------------------------|

**VARITECTOR PU II UL Series**

- VPU II 1 SP 347 V / R:
  - Single-Phase, 1 Pole
  - SPD is installed between phase and neutral
- VPU II 2W+N 120 / 240 V / R:
  - Single-Phase, 2 Pole
  - Split-phase or single-phase three-wire system
  - Neutral is available
  - SPD is installed between phase and neutral

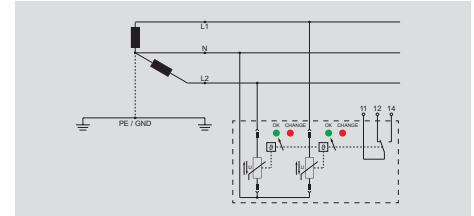
**VPU II 1 SP 347 V/R**

Single Phase



**VPU II 2W+N 120/240 V/R**

Single Phase



**Technical data**

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 230 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 510 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20µs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 2.1 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 1TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 347 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 510 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 510 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1800 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 600 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | 16 / 4 / 25 mm <sup>2</sup>                       |
| Height x width x depth                                   | 94 / 18 / 69 mm                                   |
| Signalling contact                                       | 250 V 1A 1CO                                      |

| Rated voltage (AC)                                       | 120 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20µs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 2TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 240 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | 16 / 4 / 25 mm <sup>2</sup>                       |
| Height x width x depth                                   | 94 / 36 / 69 mm                                   |
| Signalling contact                                       | 250 V 1A 1CO                                      |

| Rated voltage (AC)                                       | 120 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20µs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 2TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 240 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | 16 / 4 / 25 mm <sup>2</sup>                       |
| Height x width x depth                                   | 94 / 36 / 69 mm                                   |
| Signalling contact                                       | 250 V 1A 1CO                                      |

**Ordering data**

| Type                               | Qty. | Part No.          |
|------------------------------------|------|-------------------|
| without remote signalling contact  | 1    | <b>2025780000</b> |
| with remote signalling contact (R) | 1    | <b>2025060000</b> |

| Type               | Qty. | Part No.          |
|--------------------|------|-------------------|
| VPU II 1 SP 347V   | 1    | <b>2025780000</b> |
| VPU II 1 SP 347V R | 1    | <b>2025060000</b> |

| Type                   | Qty. | Part No.          |
|------------------------|------|-------------------|
| VPU II 2W+N 120/240V   | 1    | <b>2025980000</b> |
| VPU II 2W+N 120/240V R | 1    | <b>2025030000</b> |

**Accessories**

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II O 510V - 2025110000 |

|                                                     |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II O 510V - 2025110000 |
|-----------------------------------------------------|

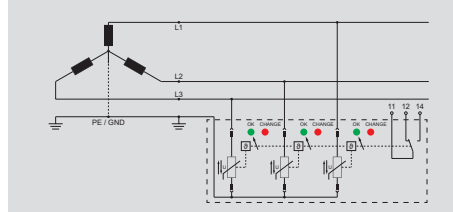
|                                                     |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II O 180V - 2025070000 |
|-----------------------------------------------------|

**VARITECTOR PU II UL Series**

- Three-Phase WYE without neutral, 3 Pole
- VPU II 3W WYE 120 V / R:
  - Neutral is not available
- VPU II 3W WYE 277 V / R:
  - SPD is installed between phase and ground

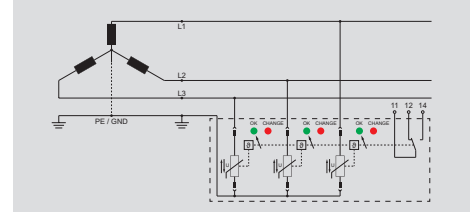
**VPU II 3W WYE 120 V/R**

3-phase WYE



**VPU II 3W WYE 277 V/R**

3-phase WYE



**Technical data**

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 120 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 208 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

| Rated voltage (AC)                                       | 120 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 208 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

| Rated voltage (AC)                                       | 230 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 385 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 1.85 kV                                         |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 277 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 385 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 385 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1500 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 480 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

**Ordering data**

| Type                               | Qty. | Part No.   |
|------------------------------------|------|------------|
| without remote signalling contact  | 1    | 2025520000 |
| with remote signalling contact (R) | 1    | 2024600000 |

| Type                 | Qty. | Part No.   |
|----------------------|------|------------|
| VPU II 3W WYE 120V   | 1    | 2025520000 |
| VPU II 3W WYE 120V R | 1    | 2024600000 |

| Type                 | Qty. | Part No.   |
|----------------------|------|------------|
| VPU II 3W WYE 277V   | 1    | 2025530000 |
| VPU II 3W WYE 277V R | 1    | 2024810000 |

**Accessories**

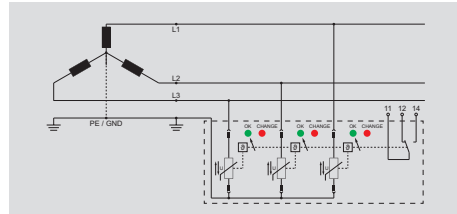
| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 180V - 2025070000 |

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 385V - 2025100000 |

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 385V - 2025100000 |

**VARITECTOR PU II UL Series**

- Three-Phase WYE without neutral, 3 Pole
- VPU II 3W WYE 347 V / R:
  - A grounded star point is also possible

**VPU II 3W WYE 347 V/R****3-phase WYE****Technical data**

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 230 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 510 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>n,max</sub> (8/20μs) wire-PE    | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 2.1 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 347 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 510 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 510 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1800 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 600 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup> 16 / 4 / 25                       |
| Height x width x depth                                   | mm 94 / 54 / 69                                   |
| Signalling contact                                       | 250 V 1A 1CO                                      |

**Ordering data**

| Type                               | Qty. | Part No.          |
|------------------------------------|------|-------------------|
| without remote signalling contact  | 1    | <b>2025570000</b> |
| with remote signalling contact (R) | 1    | <b>2024820000</b> |

**Accessories**

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 510V - 2025110000 |

**VARITECTOR PU II UL Series**

- Delta Grounded Corner, 3 Pole
- VPU II 3WDA L-G 240 V / R:
  - Delta circuit with grounded corner
- VPU II 3WDA L-G 480 V / R:
  - Neutral is not available
  - SPD is installed between phase and ground

**Technical data**

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 200 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 275 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>N</sub> (L/N-PE)            | ≤ 1.25 kV                                         |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 240 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 275 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 275 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1000 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 240 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup><br>16 / 4 / 25                    |
| Height x width x depth                                   | mm<br>94 / 54 / 69                                |
| Signalling contact                                       | 250 V 1A 1CO                                      |

**Ordering data**

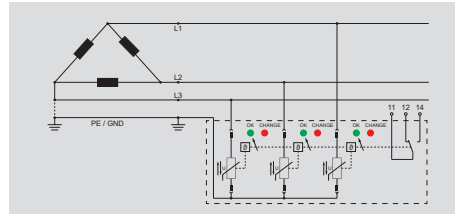
| Type                               | Qty. | Part No.          |
|------------------------------------|------|-------------------|
| without remote signalling contact  | 1    | <b>2025580000</b> |
| with remote signalling contact (R) | 1    | <b>2024830000</b> |

**Accessories**

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 275V - 2025080000 |

**VPU II 3WDA L-G 240 V/R**

**Delta System**



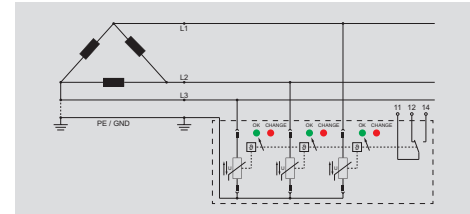
| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 200 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 275 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>N</sub> (L/N-PE)            | ≤ 1.25 kV                                         |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 240 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 275 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 275 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1000 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 240 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup><br>16 / 4 / 25                    |
| Height x width x depth                                   | mm<br>94 / 54 / 69                                |
| Signalling contact                                       | 250 V 1A 1CO                                      |

| Type                   | Qty. | Part No.          |
|------------------------|------|-------------------|
| VPU II 3WDA L-G 240V   | 1    | <b>2025580000</b> |
| VPU II 3WDA L-G 240V R | 1    | <b>2024830000</b> |

| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 275V - 2025080000 |

**VPU II 3WDA L-G 480 V/R**

**Delta System**



| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 230 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 550 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20µs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>max</sub> (8/20µs) wire-PE      | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>N</sub> (L/N-PE)            | ≤ 2.4 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 3TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 480 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 550 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 550 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1800 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 480 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup><br>16 / 4 / 25                    |
| Height x width x depth                                   | mm<br>94 / 54 / 69                                |
| Signalling contact                                       | 250 V 1A 1CO                                      |

| Type                   | Qty. | Part No.          |
|------------------------|------|-------------------|
| VPU II 3WDA L-G 480V   | 1    | <b>2025600000</b> |
| VPU II 3WDA L-G 480V R | 1    | <b>2024840000</b> |

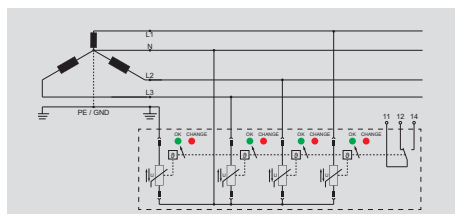
| Note                                                |
|-----------------------------------------------------|
| Pluggable spare arrester VPU II 0 550V - 2024620000 |

### VARITECTOR PU II UL Series

- Three-Phase WYE with neutral, 4 Pole
- VPU II 4W+G WYE 120 V / R:
  - Star point is used as neutral
- VPU II 4W+G WYE 277 V / R:
  - Three SPDs are installed between phase and neutral and one SPD is installed between neutral and ground

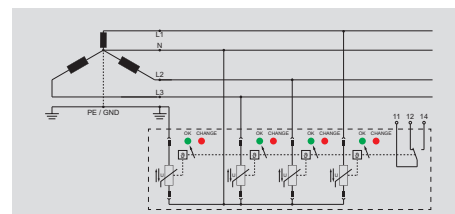
### VPU II 4W+G WYE 120 V/R

3-phase WYE



### VPU II 4W+G WYE 277 V/R

3-phase WYE



### Technical data

| Rated data IEC / EN                                      |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| Rated voltage (AC)                                       | 120 V                                             |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20μs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 4TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 208 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

| Rated voltage (AC)                                       | 120 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 180 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20μs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 0.9 kV                                          |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 4TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 120 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 180 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 180 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 800 V                                             |
| Test Voltage 39.1 (UL 1449)                              | 208 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

| Rated voltage (AC)                                       | 230 V                                             |
|----------------------------------------------------------|---------------------------------------------------|
| Max. continuous voltage, U <sub>c</sub> (AC)             | 385 V                                             |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |
| Discharge current I <sub>nmax</sub> (8/20μs) wire-PE     | 40 kA                                             |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |
| Response time                                            | ≤ 25 ns                                           |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |
| Protection level with I <sub>n</sub> (L/N-PE)            | ≤ 1.85 kV                                         |
| Optical function display                                 | green = OK; red = arrester is defective - replace |
| Design                                                   | Installation housing; 4TE, Insta IP 20            |
| Color                                                    | Black, Arrester red                               |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |
| Storage temperature                                      | -40 °C...85 °C                                    |
| Rated data UL                                            |                                                   |
| Rated Voltage U <sub>N</sub>                             | 277 V                                             |
| Continuous voltage U <sub>c</sub> , max.                 | 385 V                                             |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 385 Vac                                           |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1500 V                                            |
| Test Voltage 39.1 (UL 1449)                              | 480 V                                             |
| Category                                                 | SPD TYPE 1CA/2CA                                  |
| UL certificate                                           | VZCA.E354261                                      |
| Connection according to IEC 947-7-1                      |                                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |
| Stripping length                                         | 15 mm                                             |
| Tightening torque                                        | 2...3 Nm                                          |
| Approvals                                                |                                                   |
| Approvals                                                | cURus                                             |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |
| Dimensions / Signalling contact info                     |                                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |
| Height x width x depth                                   | mm                                                |
| Signalling contact                                       |                                                   |

### Ordering data

| Type                               | Qty. | Part No.   |
|------------------------------------|------|------------|
| without remote signalling contact  | 1    | 2026360000 |
| with remote signalling contact (R) | 1    | 2024880000 |

| Type                   | Qty. | Part No.   |
|------------------------|------|------------|
| VPU II 4W+G WYE 120V   | 1    | 2026360000 |
| VPU II 4W+G WYE 120V R | 1    | 2024880000 |

| Type                   | Qty. | Part No.   |
|------------------------|------|------------|
| VPU II 4W+G WYE 277V   | 1    | 2026150000 |
| VPU II 4W+G WYE 277V R | 1    | 2024860000 |

### Accessories

| Note                                                                                           |
|------------------------------------------------------------------------------------------------|
| Pluggable spare arrester L/N-PE VPU II 0 180V - 2025070000 and N-PE VPU II 0 180V - 2025070000 |

| Note                                                                                           |
|------------------------------------------------------------------------------------------------|
| Pluggable spare arrester L/N-PE VPU II 0 180V - 2025070000 and N-PE VPU II 0 180V - 2025070000 |

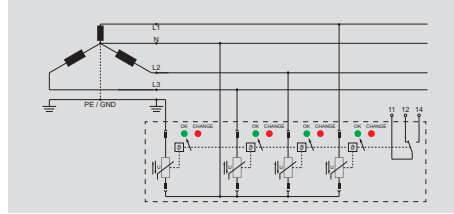
| Note                                                                                           |
|------------------------------------------------------------------------------------------------|
| Pluggable spare arrester L/N-PE VPU II 0 385V - 2025100000 and N-PE VPU II 0 180V - 2025070000 |

**VARITECTOR PU II UL Series**

- Three-Phase WYE with neutral, 4 Pole

**VPU II 4W+G WYE 347 V/R**

3-phase WYE



**Technical data**

| Rated data IEC / EN                                      |                                                   |                                   |
|----------------------------------------------------------|---------------------------------------------------|-----------------------------------|
| Rated voltage (AC)                                       | 230 V                                             |                                   |
| Max. continuous voltage, U <sub>c</sub> (AC)             | 510 V                                             |                                   |
| Requirements category acc. to IEC 61643-11 / EN 61643-11 | Type II / T2                                      |                                   |
| Discharge current I <sub>n</sub> (8/20μs) wire-PE        | 20 kA                                             |                                   |
| Discharge current I <sub>max</sub> (8/20μs) wire-PE      | 40 kA                                             |                                   |
| Short-circuit current rating I <sub>SCCR</sub>           | 25 kA                                             |                                   |
| Response time                                            | ≤ 25 ns                                           |                                   |
| Fuse                                                     | 125 A gL (if back-up fuse > 125 A)                |                                   |
| Protection level with I <sub>N</sub> (L/N-PE)            | ≤ 2.1 kV                                          |                                   |
| Optical function display                                 | green = OK; red = arrester is defective - replace |                                   |
| Design                                                   | Installation housing; 4TE, Insta IP 20            |                                   |
| Color                                                    | Black, Arrester red                               |                                   |
| Ambient temperature (operational)                        | -40 °C...70 °C                                    |                                   |
| Storage temperature                                      | -40 °C...85 °C                                    |                                   |
| Rated data UL                                            |                                                   |                                   |
| Rated Voltage U <sub>N</sub>                             | 240 V                                             |                                   |
| Continuous voltage U <sub>c</sub> , max.                 | 510 V                                             |                                   |
| Nominal Discharge Current I <sub>n</sub>                 | 20 kA                                             |                                   |
| Maximum Continuous Operating Voltage, MCOV (L/N-PE)      | 510 Vac                                           |                                   |
| Short Circuit Current Rating, (SCCR)                     | 200 kA                                            |                                   |
| Voltage Protection Rating, VPR (L/N-PE)                  | 1800 V                                            |                                   |
| Test Voltage 39.1 (UL 1449)                              | 600 V                                             |                                   |
| Category                                                 | SPD TYPE 1CA/2CA                                  |                                   |
| UL certificate                                           | VZCA.E354261                                      |                                   |
| Connection according to IEC 947-7-1                      |                                                   |                                   |
| Stranded                                                 | 4...50 mm <sup>2</sup>                            |                                   |
| Stripping length                                         | 15 mm                                             |                                   |
| Tightening torque                                        | 2...3 Nm                                          |                                   |
| Approvals                                                |                                                   |                                   |
| Approvals                                                | cURus                                             |                                   |
| Standards                                                | IEC61643-11, EN61643-11, UL 1449 Ed.4             |                                   |
| Dimensions / Signalling contact info                     |                                                   |                                   |
| Clamping range (nominal / min. / max.)                   | mm <sup>2</sup>                                   |                                   |
| Height x width x depth                                   | mm                                                |                                   |
| Signalling contact                                       |                                                   |                                   |
|                                                          | <b>no remote sig. contact</b>                     | <b>with remote signalling (R)</b> |
|                                                          | 16 / 4 / 25                                       | 16 / 4 / 25                       |
|                                                          | 94 / 72 / 69                                      | 106 / 72 / 69                     |
|                                                          |                                                   | 250 V 1A 1CO                      |

**Ordering data**

|                                    | Type                   | Qty. | Part No.          |
|------------------------------------|------------------------|------|-------------------|
| without remote signalling contact  | VPU II 4W+G WYE 347V   | 1    | <b>2026050000</b> |
| with remote signalling contact (R) | VPU II 4W+G WYE 347V R | 1    | <b>2025140000</b> |

**Accessories**

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| Note | Pluggable spare arrester L/N-PE VPU II 0 510V - 2025110000 and N-PE VPU II 0 180V - 2025070000 |
|------|------------------------------------------------------------------------------------------------|