

Technical data

Machinery

Process

Energy

Transportation

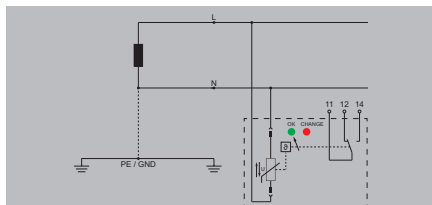
Device Manufacturers

### Typ II UL 1449 Ed.4

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

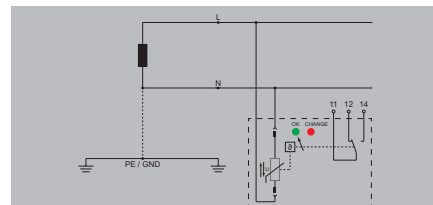
### VPU II 1 SP 127 V / R

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
Colour	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

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; 1TE, Insta IP 20
Colour	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	
Note	

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 18 / 69	106 / 18 / 69
	250 V 1A 1CO

no remote sig. contact	with remote signalling (R)
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.	Order No.
VPU II 1 SP 127V	1	2025830000
VPU II 1 SP 127V R	1	2025040000

Type	Qty.	Order No.
VPU II 1 SP 277V	1	2025800000
VPU II 1 SP 277V R	1	2025050000

Note

#### Accessories

Note	
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Pluggable spare arrester VPU II 0 180V - 2025070000
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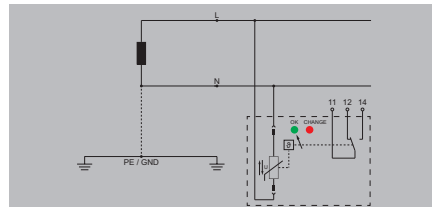
Pluggable spare arrester VPU II 0 385V - 2025100000
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**Typ II UL 1449 Ed.4**

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

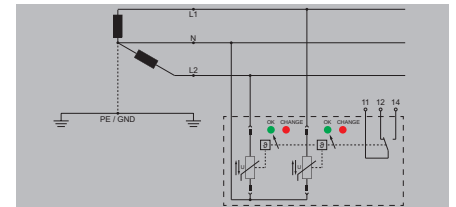
**VPU II 1 SP 347 V / R**

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>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; 1TE, Insta IP 20
Colour	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>
Height x width x depth	mm
Signalling contact	

**Note**

**Ordering data**

	without remote signalling contact
	with remote signalling contact (R)

**Note**

**Accessories**

**Note**

**Technical data**

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; 1TE, Insta IP 20
Colour	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>
Height x width x depth	mm
Signalling contact	

**Note**

**Ordering data**

Type	Qty.	Order No.
VPU II 1 SP 347V	1	2025780000
VPU II 1 SP 347V R	1	2025060000

**Note**

**Accessories**

Pluggable spare arrester VPU II 0 510V - 2025110000

**Technical data**

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; 2TE, Insta IP 20
Colour	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.)	mm <sup>2</sup>
Height x width x depth	mm
Signalling contact	

**Note**

**Ordering data**

Type	Qty.	Order No.
VPU II 2W+N 120/240V	1	2025980000
VPU II 2W+N 120/240V R	1	2025030000

**Note**

**Accessories**

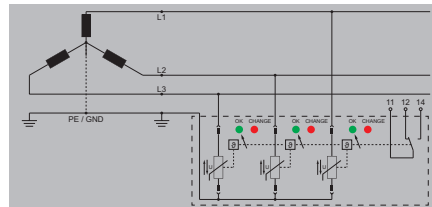
Pluggable spare arrester VPU II 0 180V - 2025070000

**Typ II UL 1449 Ed.4**

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

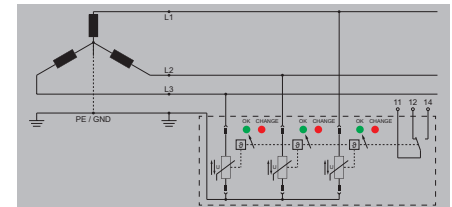
**VPU II 3W WYE 120 V / R**

3-phase WYE



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

3-phase WYE



**Technical data**

<b>Rated data IEC / EN</b>	
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
Colour	Black, Arrester red
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
<b>Rated data UL</b>	
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
<b>Connection according to IEC 947-7-1</b>	
Stranded	4...50 mm <sup>2</sup>
Stripping length	15 mm
Tightening torque	2...3 Nm
<b>Approvals</b>	
Approvals	cURus
Standards	IEC61643-11, EN61643-11, UL 1449 Ed.4

<b>Technical data</b>	
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
Colour	Black, Arrester red
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
<b>Rated data UL</b>	
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
<b>Connection according to IEC 947-7-1</b>	
Stranded	4...50 mm <sup>2</sup>
Stripping length	15 mm
Tightening torque	2...3 Nm
<b>Approvals</b>	
Approvals	cURus
Standards	IEC61643-11, EN61643-11, UL 1449 Ed.4

<b>Technical data</b>	
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
Colour	Black, Arrester red
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
<b>Rated data UL</b>	
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
<b>Connection according to IEC 947-7-1</b>	
Stranded	4...50 mm <sup>2</sup>
Stripping length	15 mm
Tightening torque	2...3 Nm
<b>Approvals</b>	
Approvals	cURus
Standards	IEC61643-11, EN61643-11, UL 1449 Ed.4

<b>Dimensions / Signalling contact info</b>	
Clamping range (nominal / min. / max.)	mm <sup>2</sup>
Height x width x depth	mm
Signalling contact	
<b>Note</b>	

	<b>no remote sig. contact</b>	<b>with remote signalling (R)</b>
	16 / 4 / 25	16 / 4 / 25
	94 / 54 / 69	106 / 54 / 69
		250 V 1A 1CO
<b>Note</b>		

	<b>no remote sig. contact</b>	<b>with remote signalling (R)</b>
	16 / 4 / 25	16 / 4 / 25
	94 / 54 / 69	106 / 54 / 69
		250 V 1A 1CO
<b>Note</b>		

**Ordering data**

	without remote signalling contact
	with remote signalling contact (R)
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
VPU II 3W WYE 120V	1	2025520000
VPU II 3W WYE 120V R	1	2024600000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
VPU II 3W WYE 277V	1	2025530000
VPU II 3W WYE 277V R	1	2024810000

**Accessories**

<b>Note</b>	
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<b>Note</b>	Pluggable spare arrester VPU II 0 180V - 2025070000
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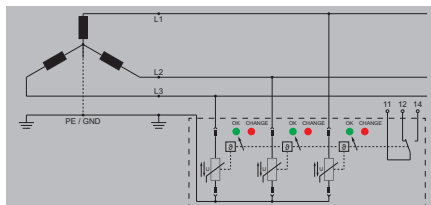
<b>Note</b>	Pluggable spare arrester VPU II 0 385V - 2025100000
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**Typ II UL 1449 Ed.4**

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

**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>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
Colour	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>
Height x width x depth	mm
Signalling contact	

**Note**

**Ordering data**

	without remote signalling contact
	with remote signalling contact (R)

**Note**

**Accessories**

<b>Note</b>	Pluggable spare arrester VPU II 0 510V - 20251 10000
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**Technical data**

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; 3TE, Insta IP 20
Colour	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**

	no remote sig. contact	with remote signalling (R)
Clamping range (nominal / min. / max.)	16 / 4 / 25	16 / 4 / 25
Height x width x depth	94 / 54 / 69	106 / 54 / 69
Signalling contact		250 V 1A 1CO

**Note**

Type	Qty.	Order No.
VPU II 3W WYE 347V	1	2025570000
VPU II 3W WYE 347V R	1	2024820000

**Note**

<b>Note</b>	Pluggable spare arrester VPU II 0 510V - 20251 10000
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Technical data

Machinery

Process

Energy

Transportation

Device Manufacturers

Technical data

Machinery

Process

Energy

Transportation

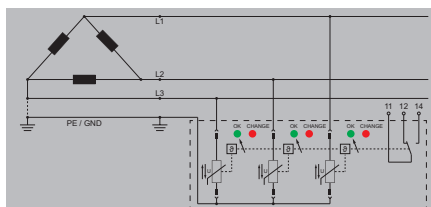
Device Manufacturers

### Typ II UL 1449 Ed.4

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

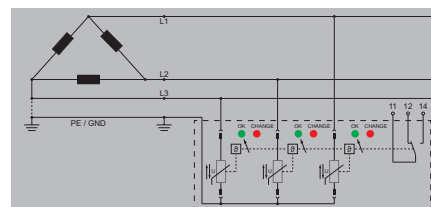
### VPU II 3WDA L-G 240 V / R

Delta System



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

Delta System



### Technical data

#### Rated data IEC / EN

Rated voltage (AC)  
 Max. continuous voltage,  $U_c$  (AC)  
 Requirements category acc. to IEC 61643-11 / EN 61643-11  
 Discharge current  $I_n$  (8/20 $\mu$ s) wire-PE  
 Discharge current  $I_{max}$  (8/20 $\mu$ s) wire-PE  
 Short-circuit current rating  $I_{SCCR}$   
 Response time  
 Fuse  
 Protection level with  $I_n$  (L/N-PE)  
 Optical function display  
 Design  
 Colour  
 Ambient temperature (operational)  
 Storage temperature

#### Rated data UL

Rated Voltage  $U_n$   
 Continuous voltage  $U_c$ , max.  
 Nominal Discharge Current  $I_n$   
 Maximum Continuous Operating Voltage, MCOV (L/N-PE)  
 Short Circuit Current Rating, (SCCR)  
 Voltage Protection Rating, VPR (L/N-PE)  
 Test Voltage 39.1 (UL 1449)  
 Category  
 UL certificate

#### Connection according to IEC 947-7-1

Stranded  
 Stripping length  
 Tightening torque

#### Approvals

Approvals  
 Standards

#### Dimensions / Signalling contact info

Clamping range (nominal / min. / max.) mm<sup>2</sup>  
 Height x width x depth mm  
 Signalling contact

#### Note

### Ordering data

without remote signalling contact  
 with remote signalling contact (R)

#### Note

### Accessories

#### Note

200 V  
 275 V  
 Type II / T2  
 20 kA  
 40 kA  
 25 kA  
 $\leq 25$  ns  
 125 A gL (if back-up fuse > 125 A)  
 $\leq 1.25$  kV  
 green = OK; red = arrester is defective - replace  
 Installation housing; 3TE, Insta IP 20  
 Black, Arrester red  
 -40 °C...70 °C  
 -40 °C...85 °C

240 V  
 275 V  
 20 kA  
 275 Vac  
 200 kA  
 1000 V  
 240 V  
 SPD TYPE 1CA/2CA  
 VZCA.E354261

4...50 mm<sup>2</sup>  
 15 mm  
 2...3 Nm

cURus  
 IEC61643-11, EN61643-11, UL 1449 Ed.4

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 54 / 69	106 / 54 / 69
	250 V 1A 1CO

Type	Qty.	Order No.
VPU II 3WDA L-G 240V	1	2025580000
VPU II 3WDA L-G 240V R	1	2024830000

#### Note

Pluggable spare arrester VPU II 0 275V - 2025080000

230 V  
 550 V  
 Type II / T2  
 20 kA  
 40 kA  
 25 kA  
 $\leq 25$  ns  
 125 A gL (if back-up fuse > 125 A)  
 \*UNDEFINED TEXT\*  
 green = OK; red = arrester is defective - replace  
 Installation housing; 3TE, Insta IP 20  
 Black, Arrester red  
 -40 °C...70 °C  
 -40 °C...85 °C

480 V  
 550 V  
 20 kA  
 550 Vac  
 200 kA  
 1800 V  
 480 V  
 SPD TYPE 1CA/2CA  
 VZCA.E354261

4...50 mm<sup>2</sup>  
 15 mm  
 2...3 Nm

cURus  
 IEC61643-11, EN61643-11, UL 1449 Ed.4

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 54 / 69	106 / 54 / 69
	250 V 1A 1CO

Type	Qty.	Order No.
VPU II 3WDA L-G 480V	1	2025600000
VPU II 3WDA L-G 480V R	1	2024840000

#### Note

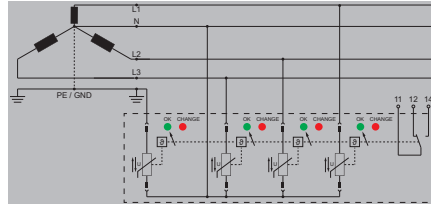
Pluggable spare arrester VPU II 0 550V - 2024620000

**Typ II UL 1449 Ed.4**

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

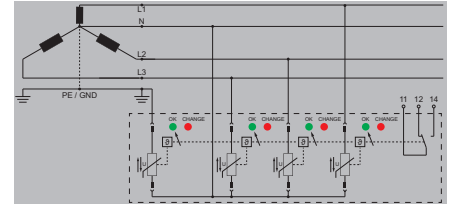
**VPU II 4W+G WYE 120 V / R**

3-phase WYE



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

3-phase WYE



**Technical data**

**Rated data IEC / EN**

Rated voltage (AC)  
 Max. continuous voltage, U<sub>c</sub> (AC)  
 Requirements category acc. to IEC 61643-11 / EN 61643-11  
 Discharge current I<sub>n</sub> (8/20μs) wire-PE  
 Discharge current I<sub>max</sub> (8/20μs) wire-PE  
 Short-circuit current rating I<sub>SCCR</sub>  
 Response time  
 Fuse  
 Protection level with I<sub>n</sub> (L/N-PE)  
 Optical function display  
 Design  
 Colour  
 Ambient temperature (operational)  
 Storage temperature

**Rated data UL**

Rated Voltage U<sub>n</sub>  
 Continuous voltage U<sub>c</sub>, max.  
 Nominal Discharge Current I<sub>n</sub>  
 Maximum Continuous Operating Voltage, MCOV (L/N-PE)  
 Short Circuit Current Rating, (SCCR)  
 Voltage Protection Rating, VPR (L/N-PE)  
 Test Voltage 39.1 (UL 1449)  
 Category  
 UL certificate

**Connection according to IEC 947-7-1**

Stranded  
 Stripping length  
 Tightening torque

**Approvals**

Approvals  
 Standards

**Dimensions / Signalling contact info**

Clamping range (nominal / min. / max.) mm<sup>2</sup>  
 Height x width x depth mm  
 Signalling contact

**Note**

**Ordering data**

without remote signalling contact  
 with remote signalling contact (R)

**Note**

**Accessories**

**Note**

**Technical data**

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: 4TE, Insta IP 20  
 Black, Arrester red  
 -40 °C...70 °C  
 -40 °C...85 °C

**Technical data**

120 V  
 180 V  
 20 kA  
 180 Vac  
 200 kA  
 800 V  
 208 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**

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 72 / 69	106 / 72 / 69
	250 V 1A 1CO

**Note**

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

**Note**

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

**Technical data**

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: 4TE, Insta IP 20  
 Black, Arrester red  
 -40 °C...70 °C  
 -40 °C...85 °C

**Technical data**

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**

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 72 / 69	106 / 72 / 69
	250 V 1A 1CO

**Note**

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

**Note**

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

Technical data

Machinery

Process

Energy

Transportation

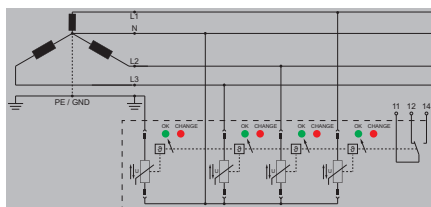
Device Manufacturers

**Typ II UL 1449 Ed.4**

- SPD according to UL 1449 Ed.4
- Installation-ready modules specifically for American mains systems
- Higher SCCR of 200 kA
- Pluggable arrester
- Insert can be rotated through 180°
- Coded voltage level

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

3-phase WYE



**Technical data**

**Rated data IEC / EN**

Rated voltage (AC)  
 Max. continuous voltage,  $U_c$  (AC)  
 Requirements category acc. to IEC 61643-11 / EN 61643-11  
 Discharge current  $I_n$  (8/20 $\mu$ s) wire-PE  
 Discharge current  $I_{max}$  (8/20 $\mu$ s) wire-PE  
 Short-circuit current rating  $I_{SCCR}$   
 Response time  
 Fuse  
 Protection level with  $I_n$  (L/N-PE)  
 Optical function display  
 Design  
 Colour  
 Ambient temperature (operational)  
 Storage temperature

230 V  
 510 V  
 Type II / T2  
 20 kA  
 40 kA  
 25 kA  
 $\leq 25$  ns  
 125 A gL (if back-up fuse > 125 A)  
 $\leq 2.1$  kV  
 green = OK; red = arrester is defective - replace  
 Installation housing: 4TE, Insta IP 20  
 Black, Arrester red  
 -40 °C...70 °C  
 -40 °C...85 °C

**Rated data UL**

Rated Voltage  $U_n$   
 Continuous voltage  $U_c$ , max.  
 Nominal Discharge Current  $I_n$   
 Maximum Continuous Operating Voltage, MCOV (L/N-PE)  
 Short Circuit Current Rating, (SCCR)  
 Voltage Protection Rating, VPR (L/N-PE)  
 Test Voltage 39.1 (UL 1449)  
 Category  
 UL certificate

240 V  
 510 V  
 20 kA  
 510 Vac  
 200 kA  
 1800 V  
 600 V  
 SPD TYPE 1CA/2CA  
 VZCA.E354261

**Connection according to IEC 947-7-1**

Stranded  
 Stripping length  
 Tightening torque

4...50 mm<sup>2</sup>  
 15 mm  
 2...3 Nm

**Approvals**

Approvals  
 Standards

cURus  
 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

no remote sig. contact	with remote signalling (R)
16 / 4 / 25	16 / 4 / 25
94 / 72 / 69	106 / 72 / 69
	250 V 1A 1CO

**Note**

**Ordering data**

without remote signalling contact  
 with remote signalling contact (R)

Type	Qty.	Order No.
VPU II 4W+G WYE 347V	1	2026050000
VPU II 4W+G WYE 347V R	1	2025140000

**Note**

**Accessories**

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