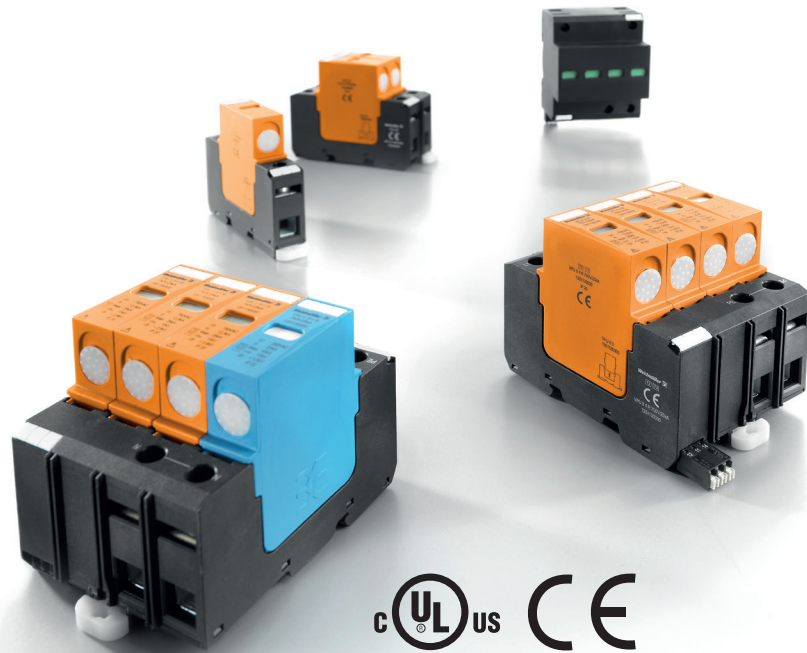


Datasheet • Electronic VARITECTOR PU II UL Series Surge Protectors



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
Website: www.weidmuller.ca

Weidmüller, Mexico
Blvd. 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
Website: www.weidmuller.com.mx

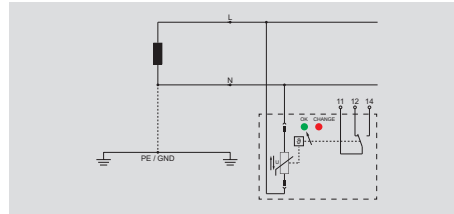
Weidmüller, United States
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

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)

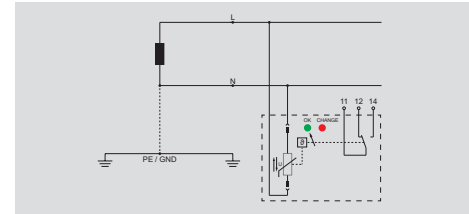
VPU II 1 SP 127 V/R

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 _c (AC)	180 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{max} (8/20μs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _N (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 _N	127 V
Continuous voltage U _c , max.	180 V
Nominal Discharge Current I _n	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 ²
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 ²
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 ²	
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 / 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 ²	
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 / 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	2025830000
VPU II 1 SP 127V R	1	2025040000

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

Accessories

Note

Pluggable spare arrester VPU II 0 180V - 2025070000

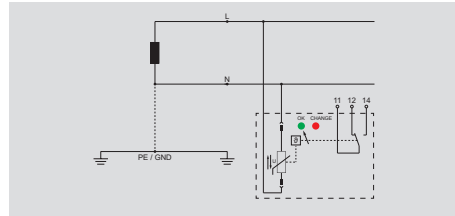
Pluggable spare arrester VPU II 0 385V - 2025100000

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

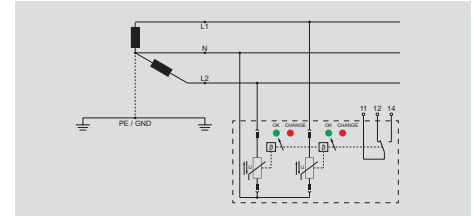
VPU II 1 SP 347 V/R

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 _c (AC)	510 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{nmax} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	347 V
Continuous voltage U _c , max.	510 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	

Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	510 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{nmax} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	347 V
Continuous voltage U _c , max.	510 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	

Rated voltage (AC)	120 V
Max. continuous voltage, U _c (AC)	180 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{nmax} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	120 V
Continuous voltage U _c , max.	180 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	

Ordering data

Type	Qty.	Part No.
without remote signalling contact	1	2025780000
with remote signalling contact (R)	1	2025060000

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

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

Accessories

Note
Pluggable spare arrester VPU II O 510V - 2025110000

Pluggable spare arrester VPU II O 510V - 2025110000

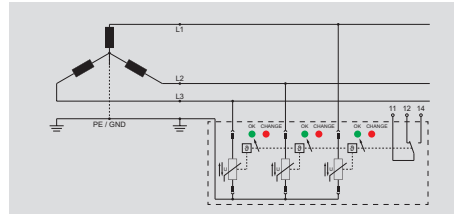
Pluggable spare arrester VPU II O 180V - 2025070000

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

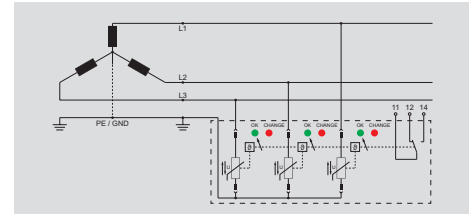
VPU II 3W WYE 120 V/R

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 _c (AC)	180 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	120 V
Continuous voltage U _c , max.	180 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	250 V 1A 1CO

Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	385 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	277 V
Continuous voltage U _c , max.	385 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	250 V 1A 1CO

Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	385 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	277 V
Continuous voltage U _c , max.	385 V
Nominal Discharge Current I _n	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 ²
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 ²
Height x width x depth	mm
Signalling contact	250 V 1A 1CO

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

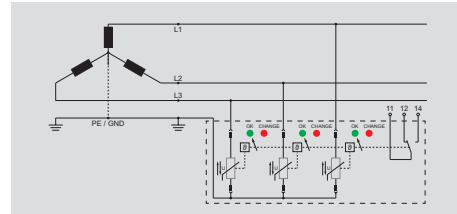
Note
Pluggable spare arrester VPU II 0 180V - 2025070000

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 _c (AC)	510 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{n,max} (8/20μs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	347 V
Continuous voltage U _c , max.	510 V
Nominal Discharge Current I _n	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 ²
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 ² 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	VPU II 3W WYE 347V	1	2025570000
with remote signalling contact (R)	VPU II 3W WYE 347V R	1	2024820000

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 _c (AC)	275 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _N (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 _N	240 V
Continuous voltage U _c , max.	275 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 54 / 69
Signalling contact	250 V 1A 1CO

Ordering data

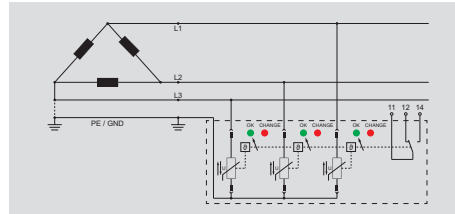
Type	Qty.	Part No.
without remote signalling contact	1	2025580000
with remote signalling contact (R)	1	2024830000

Accessories

Note
Pluggable spare arrester VPU II 0 275V - 2025080000

VPU II 3WDA L-G 240 V/R

Delta System



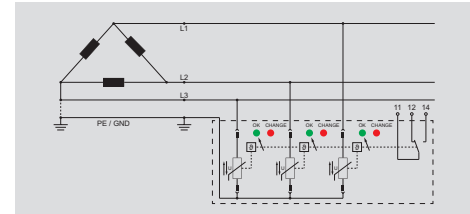
Rated data IEC / EN	
Rated voltage (AC)	200 V
Max. continuous voltage, U _c (AC)	275 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _N (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 _N	240 V
Continuous voltage U _c , max.	275 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 54 / 69
Signalling contact	250 V 1A 1CO

Type	Qty.	Part 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

VPU II 3WDA L-G 480 V/R

Delta System



Rated data IEC / EN	
Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	550 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20µs) wire-PE	20 kA
Discharge current I _{max} (8/20µs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _N (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 _N	480 V
Continuous voltage U _c , max.	550 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 54 / 69
Signalling contact	250 V 1A 1CO

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

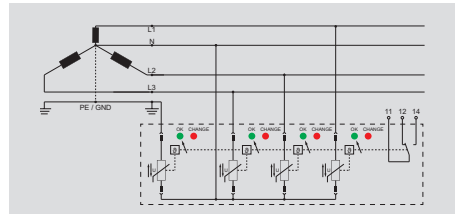
Note
Pluggable spare arrester VPU II 0 550V - 2024620000

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

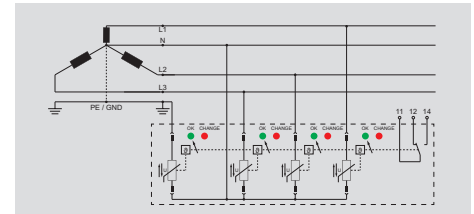
VPU II 4W+G WYE 120 V/R

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 _c (AC)	180 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{nmax} (8/20μs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	120 V
Continuous voltage U _c , max.	180 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 72 / 69
Signalling contact	250 V 1A 1CO

Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	385 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{nmax} (8/20μs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	277 V
Continuous voltage U _c , max.	385 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 72 / 69
Signalling contact	250 V 1A 1CO

Rated voltage (AC)	230 V
Max. continuous voltage, U _c (AC)	385 V
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2
Discharge current I _n (8/20μs) wire-PE	20 kA
Discharge current I _{nmax} (8/20μs) wire-PE	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Response time	≤ 25 ns
Fuse	125 A gL (if back-up fuse > 125 A)
Protection level with I _n (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 _N	277 V
Continuous voltage U _c , max.	385 V
Nominal Discharge Current I _n	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 ²
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 ² 16 / 4 / 25
Height x width x depth	mm 94 / 72 / 69
Signalling contact	250 V 1A 1CO

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

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

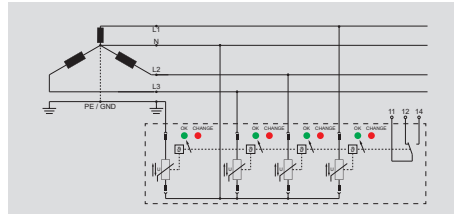
Pluggable spare arrester L/N-PE VPU II 0 385V - 2025100000 and N-PE VPU II 0 180V - 2025070000
--

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 _c (AC)	510 V	
Requirements category acc. to IEC 61643-11 / EN 61643-11	Type II / T2	
Discharge current I _n (8/20µs) wire-PE	20 kA	
Discharge current I _{max} (8/20µs) wire-PE	40 kA	
Short-circuit current rating I _{SCCR}	25 kA	
Response time	≤ 25 ns	
Fuse	125 A gL (if back-up fuse > 125 A)	
Protection level with I _N (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 _N	240 V	
Continuous voltage U _c , max.	510 V	
Nominal Discharge Current I _n	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 ²	
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 ²	
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

Ordering data

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

Accessories

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