

Best system availability for machines in North America

VARITECTOR PU US-line

Lightning and surge protection



Weidmüller



Product Benefits

Powerful surge protection for your application

In the North American market, electrical installations need to have surge protection. The current safety standard NFPA 79 defines the use of surge protection devices in machines with safety circuits.

This requirement is met by devices of the VARITECTOR PU AC US series. They are UL listed, which includes the requirements of NFPA 79.

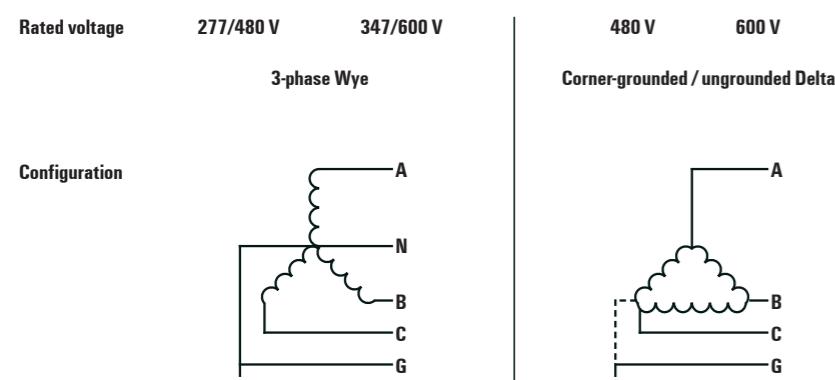
The product series has been specially adapted to the North American market. In addition to the requirements of UL 1449, it also meets the IEC/EN 61643-11 standard and can therefore be applied worldwide.

- High performance – SCCR products variants with a short-circuit resistance up to 200 kA
- Lean design with a leading cost / performance ratio for an efficient protection
- Certification in accordance with international IEC/EN standards and in accordance to latest UL 1449 standard guarantees universal use in any application.



Made for worldwide use

The products have been adapted to the North American grounding networks such as WYE or DELTA. They are simultaneously approved to UL 1449 and VDE – for worldwide use in any application.



Your special advantages:

- Powerful protection**
The specially developed integrated disconnection mechanism enables safe operation with a short-circuit resistance (SCCR) of up to 200 kA. All products are approved as Type I according to the highest UL classification.
- Complete status control**
All products in the VPU AC series have a highly visible optical indicator. Variants with pre-warning status indication also ensure uninterrupted protection, as the integrated remote signalling contact already reports the pre-warning signal to external monitoring systems.
- Save and easy operation**
Smart locking mechanism ensures reliable operation even in rough environmental condition. Unique coding system prevents interchange of arresters.



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Product Selection

VPU US series for an use in all North American gridtypes

Type	Rated voltage UL	Grid recommendation	Order No.
60 V			
VPU AC II US 1 60/50	60 V	Single phase system	2736210000
VPU AC II US 1 R 60/50	60 V	Single phase system	2736270000
VPU AC II US 2 60/50	60 V	Two phase system	2736280000
VPU AC II US 2 R 60/50	60 V	Two phase system	2730790000
VPU AC II US 0 60/50	60 V	Spare arrester	2726810000
120 V			
VPU AC II US 1 120/50	120 V	Single phase system	2730450000
VPU AC II US 1 R 120/50	120 V	Single phase system	2730460000
VPU AC II US 2 120/50	120 V	Two phase system	2730470000
VPU AC II US 2 R 120/50	120 V	Two phase system	2730480000
VPU AC II US 3 120/50	120 V	WYE w/o N	2730510000
VPU AC II US 3 R 120/50	120 V	WYE w/o N	2730520000
VPU AC II US 4 120/50	120 V	WYE w/o N	2730490000
VPU AC II US 4 R 120/50	120 V	WYE w/o N	2730500000
VPU AC II US 0 120/50	120 V	Spare arrester	2730440000
240 V			
VPU AC II US 1 240/50	240 V	Single phase system	2736300000
VPU AC II US 1 R 240/50	240 V	Single phase system	2736310000
VPU AC II US 2 240/50	240 V	Two phase system	2736320000
VPU AC II US 2 R 240/50	240 V	Two phase system	2736330000
VPU AC II US 1+1 240/50	240 V	Single phase system	2736340000
VPU AC II US 1+1 R 240/50	240 V	Single phase system	2736350000
VPU AC II US 3+1 240/50	240 V	WYE w/o N	2736360000
VPU AC II US 3 R 240/50	240 V	WYE w/o N	2736390000
VPU AC II US 4 240/50	240 V	WYE w/o N	2736400000
VPU AC II US 4 R 240/50	240 V	WYE w/o N	2736410000
VPU AC II US 3 240/50	240 V	Delta	2730540000
VPU AC II US 3 R 240/50	240 V	Delta	2730550000
VPU AC II US 0 240/50	240 V	Spare arrester	2730530000
277 V			
VPU AC II US 1 277/50	277 V	Single phase system	2730570000
VPU AC II US 1 R 277/50	277 V	Single phase system	2730580000
VPU AC II US 1+1 277/50	277 V	Single phase system	2730650000
VPU AC II US 1+1 R 277/50	277 V	Single phase system	2730660000
VPU AC II US 2 277/50	277 V	Two phase system	2730630000
VPU AC II US 2 R 277/50	277 V	Two phase system	2730640000
VPU AC II US 3 277/50	277 V	WYE w/o N	2730590000
VPU AC II US 3 R 277/50	277 V	WYE w/o N	2730600000
VPU AC II US 3+1 277/50	277 V	WYE w/o N	2730670000
VPU AC II US 3+1 R 277/50	277 V	WYE w/o N	2730680000
VPU AC II US 4 277/50	277 V	WYE w/o N	2730610000
VPU AC II US 4 R 277/50	277 V	WYE w/o N	2730620000
VPU AC II US 0 277/50	277 V	Spare arrester	2730560000
400 V			
VPU AC II US 1 400/50	400 V	Single phase system	2730700000
VPU AC II US 1 R 400/50	400 V	Single phase system	2730710000
VPU AC II US 3 400/50	400 V	Three phase system	2730720000
VPU AC II US 3 R 400/50	400 V	Three phase system	2730730000
VPU AC II US 4 400/50	400 V	WYE w/o N	2730740000
VPU AC II US 4 R 400/50	400 V	WYE w/o N	2730750000
VPU AC II US 0 400/50	400 V	Spare arrester	2730690000
600 V			
VPU AC II US 1 R 600/35	600 V	Single phase system	2736420000
VPU AC II US 2 R 600/35	600 V	Two phase system	2736430000
VPU AC II US 3 R 600/35	600 V	Three phase system	2730780000
VPU AC II US 0 600/35	600 V	Spare arrester	2730760000
240 V			
VPU AC II US 1 N-PE 240/65	240 V	Neutral protection	2730800000
VPU AC II US 0 N-PE 240/65	240 V	Spare arrester	2726820000
240 V with three stage status indication			
VPU AC II US 1 R 240/50 Y	240 V	Single phase system	2736470000
VPU AC II US 1+1 R 240/50 Y	240 V	Single phase system	2736460000
VPU AC II US 2 R 240/50 Y	240 V	Two phase system	2736480000
VPU AC II US 3 R 240/50 Y	240 V	Delta	2736450000
VPU AC II US 3+1 R 240/50 Y	240 V	Delta High Leg	2736440000
VPU AC II US 4 R 240/50 Y	240 V	WYE w/o N	2736490000
VPU AC II US 0 240/50 Y	240 V	Spare arrester	2736500000
VPU AC II US 0 N-PE 240 Y	240 V	Spare arrester	2736520000

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