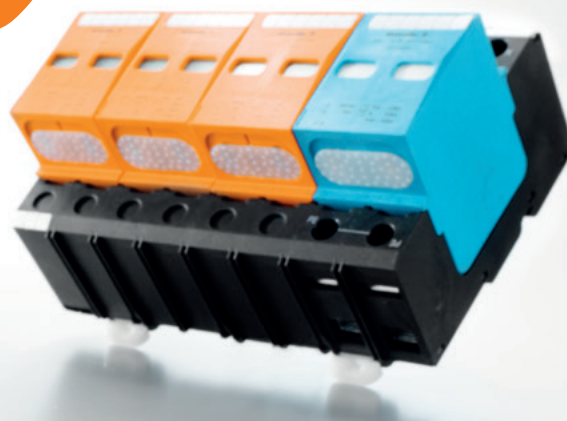


Maximize your plant availability
VARITECTOR PU for future-proof surge protection
Let's connect.

Surge protection



Protection and safety are important considerations for you

The VARITECTOR PU Series protects your application sustainably

Protect your investments

The risk to buildings or plants from lightning or power surges is considerable and should never be underestimated, as testified to by the damage statistics published by insurance companies. This is why you should always protect your investment with the latest technology that complies with the most up-to-date specifications. The costs of taking protective measures against lightning and power surges are only a fraction of what the costs of damage could be without them.

No unnecessary drop-out times

The shut down of a manufacturing plant because of the failure of a controller or the collapse of industrial data transmission systems can have very serious consequences. There is the considerable expense of the disruption caused by the interruption or repair work, in addition to the drop-out time. The safety of personnel also comes into play in processing plants. Weidmuller's products comply with the guidelines and core recommendations in place for lightning and surge protection ensuring that the likelihood of such incidents are reduced to a minimum.



Long-term safety planning

Choose the most up-to-date technology today and ensure even better safety levels. The VARITECTOR PU Series products for lightning and surge protection already comply with the IEC/EN 61643-11 standard and give you cost savings through increased stability in your planning process and enabling you to provide the highest possible protection for your systems, property and equipment.

Minimise iteration cycles and re-designs

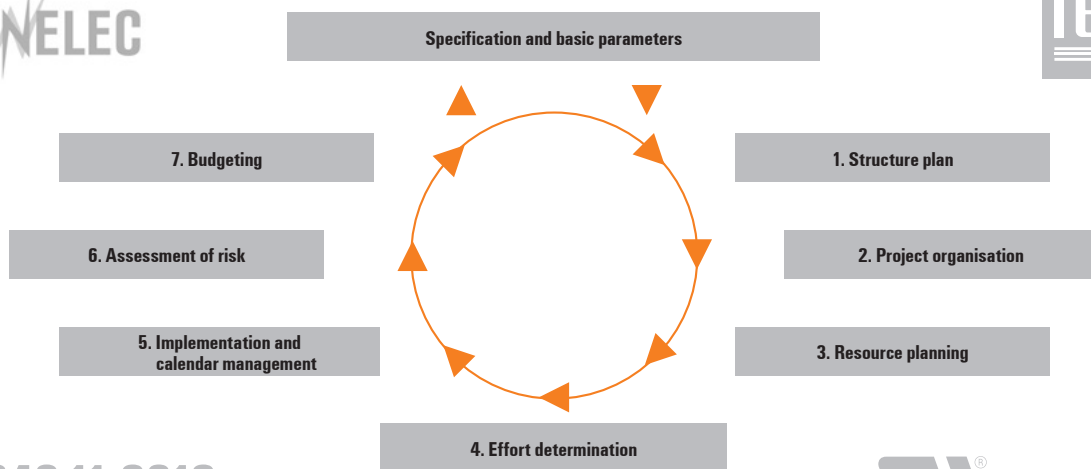
Re-designs and planning iterations are costly, slow and can conceal a host of uncertainties. Every scheduling modification costs time, money and safety. By the early inclusion of our state-of-the-art, standard-compliant products, you will save on rescheduling and alterations. You can be safe in the knowledge that by deploying our VARITECTOR PU Series, particularly for longer-term projects, you are making the right decision.



EN 50539-11:2012

CENELEC

IEC



ÖVE

EN 61643-11:2012

IEC 61643-11:2011

c RU[®] US

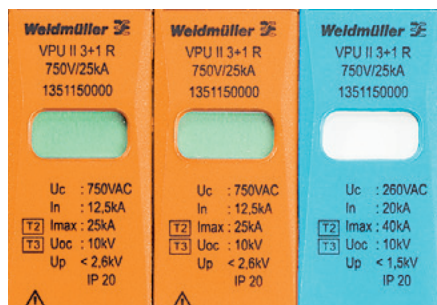
You want smart technology

We have considered everything very carefully

In addition to the best possible protection, our VARITECTOR PU surge protectors offer you a whole host of unique product features to make the installation and maintenance of your surge-protection systems convenient and economical. See for yourself:

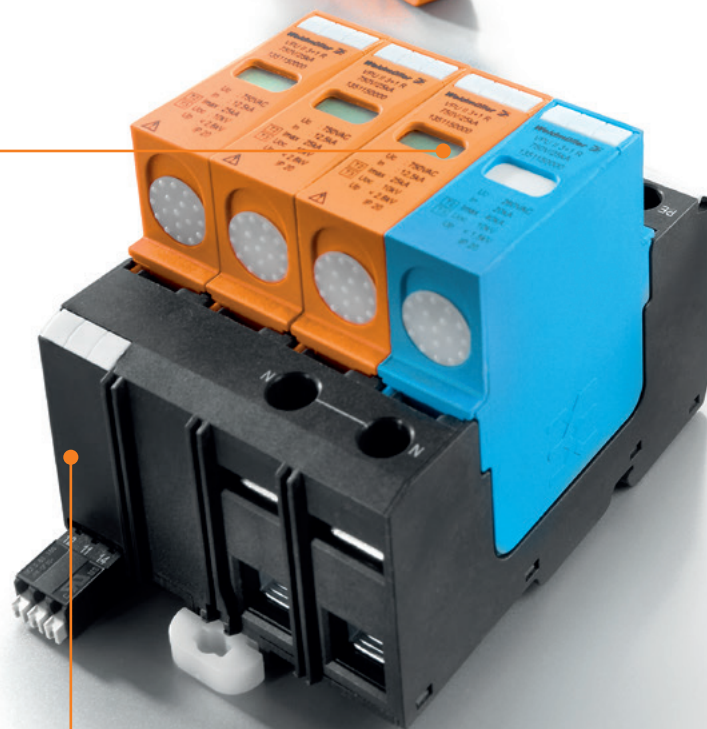
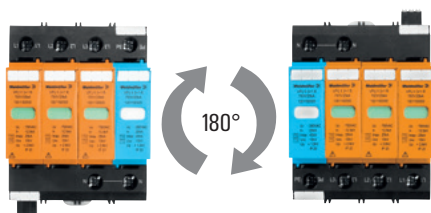
Clearest view

Thanks to the large status window, the functional status of the surge protectors in the cabinet can be seen at a glance.



Flexible positioning

The bases for our surge protectors can be rotated by 180°. As a result, wiring paths can be shortened without reducing your view within the cabinet.





Securely fastened

During installation, the protectors click into the base with both audible and tactile feedback. This eases installation and ensures uniquely high vibration resistance – ideal for use in the nacelles of wind turbines.



Faster to install

Installation can be carried out extremely quickly and without any tools, thanks to the new mounting-rail clips.



Immediate status reports

The remote signalling contact with its "PUSH IN" socket enables fast connections and allows permanent status monitoring of the surge protectors.

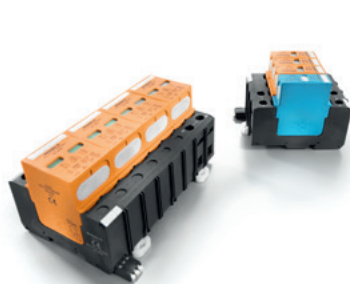


Maximise profits the easy way

We have designed our VARITECTOR PU surge protectors in such a way that very little time and personnel expense is required to install and maintain them. Compared to conventional surge protectors, you will save considerable amounts of money and can significantly maximise your profits.

Order overview to help you find your way

Our complete product portfolio of the new VARITECTOR PU Series



VPU Type I

Cont. voltage / Lightning test current (I_{imp})	Mains system	Order No.
35 kA – Leakage current free		
VPU I 1 LCF 280V/35KA*	280 V AC / 35 kA 1-phase	1351350000
VPU I 1 LCF 400V/35KA*	400 V AC / 35 kA 1-phase	1351400000
280 V / 25 kA – Leakage current free		
VPU I 1 LCF 280V/25KA*	280 V AC / 25 kA 1-phase	1351590000
VPU I 1+1 LCF 280V/25KA*	280 V AC / 25 kA 1-phase + N	1351750000
VPU I 2 LCF 280V/25KA*	280 V AC / 25 kA 1-phase	1351640000
VPU I 3 LCF 280V/25KA*	280 V AC / 25 kA TN-C	1351690000
VPU I 4 LCF 280V/25KA*	280 V AC / 25 kA TN-S	1351730000
VPU I 3+1 LCF 280V/25KA*	280 V AC / 25 kA TN-S, TT, IT	1351780000
VPU I 0 LCF 280V/25KA	280 V AC / 25 kA Spare arrester	1351540000
400 V / 25 kA		
VPU I 1 400V/25KA*	400 V AC / 25 kA 1-phase	1351820000
VPU I 1+1 400V/25KA*	400 V AC / 25 kA 1-phase + N	1351840000
VPU I 3 400V/25KA*	400 V AC / 25 kA TN-C	1351870000
VPU I 3+1 400V/25KA*	400 V AC / 25 kA TN-S, TT, IT	1351890000
VPU I 0 400V/25KA	400 V AC / 25 kA Spare arrester	1351790000
N-PE		
VPU I 1 N-PE 260V/50KA	260 V AC / 50 kA N-PE discharger	1351900000
VPU I 1 N-PE 260V/100KA	260 V AC / 100 kA N-PE discharger	1351920000
VPU I 0 N-PE 260V/50KA	260 V AC / 50 kA Spare arrester	1351930000
VPU I 0 N-PE 260V/100KA	260 V AC / 100 kA Spare arrester	1351940000
VPU I 1 N-PE 440V/50KA	440 V AC / 50 kA N-PE discharger	1351950000
VPU I 1 N-PE 440V/100KA	440 V AC / 100 kA N-PE discharger	1351970000
VPU I 0 N-PE 440V/50KA	440 V AC / 50 kA Spare arrester	1351980000
VPU I 0 N-PE 440V/ 100KA	440 V AC / 100 kA Spare arrester	1351990000
280 V / 12,5 kA – Leakage current free		
VPU I 1 LCF 280V/12,5KA*	280 V AC / 12,5 kA 1-phase	1352070000
VPU I 1+1 LCF 280V/12,5KA*	280 V AC / 12,5 kA 1-phase + N	1352040000
VPU I 3 LCF 280V/12,5KA*	280 V AC / 12,5 kA TN-C	1352090000
VPU I 3+1 LCF 280V/12,5KA*	280 V AC / 12,5 kA TN-S, TT, IT	1352020000
VPU I 0 LCF 280V/12,5KA	280 V AC / 12,5 kA Spare arrester	1352000000
280 V / 12,5 kA		
VPU I 1 280V/12,5KA*	280 V AC / 12,5 kA 1-phase	1352130000
VPU I 1+1 280V/12,5KA*	280 V AC / 12,5 kA 1-phase + N	1352250000
VPU I 2 280V/12,5KA*	280 V AC / 12,5 kA 1-phase	1352150000
VPU I 3 280V/12,5KA*	280 V AC / 12,5 kA TN-C	1352200000
VPU I 3+1 280V/12,5KA*	280 V AC / 12,5 kA TN-S, TT, IT	1352230000
VPU I 4 280V/12,5KA*	280 V AC / 12,5 kA TN-S	1352180000
VPU I 0 280V/12,5KA	280 V AC / 12,5 kA Spare arrester	1352120000
400 V / 12,5 kA		
VPU I 1 400V/12,5KA*	400 V AC / 12,5 kA 1-phase	1352290000
VPU I 1+1 400V/12,5KA*	400 V AC / 12,5 kA 1-phase + N	1352320000
VPU I 3 400V/12,5KA*	400 V AC / 12,5 kA TN-C	1352340000
VPU I 3+1 400V/12,5KA*	400 V AC / 12,5 kA TN-S, TT, IT	1352370000
VPU I 0 400V/12,5KA	400 V AC / 12,5 kA Spare arrester	1352280000
280 V / 25 kA		
VPU I 3 280V/25KA *	280 V AC / 25 kA TN-C	2062940000
VPU I 4 280V/25KA *	280 V AC / 25 kA TN-S	2062960000
VPU I 1+1 280V/25KA *	280 V AC / 25 kA 1-phase + N	2063060000
VPU I 3+1 280V/25kA *	280 V AC / 25 kA TN-S, TT, IT	2063080000

VPU Type II

Cont. voltage / Discharge current (I_{max})	Mains system	Order No.
75 V		
VPU II 1 75V/40KA*	75 V AC / 40 kA 1-phase	1352390000
VPU II 2 75V/40KA*	75 V AC / 40 kA 1-phase	1352430000
VPU II 0 75V/40KA	75 V AC / 40 kA Spare arrester	1350530000
150 V		
VPU II 1 150V/40KA*	150 V AC / 40 kA 1-phase	1352470000
VPU II 2 150V/40KA*	150 V AC / 40 kA 1-phase	1352490000
VPU II 3 150V/40KA*	150 V AC / 40 kA TN-C	1352520000
VPU II 4 150V/40KA*	150 V AC / 40 kA TN-S	1352540000
VPU II 0 150V/40KA	150 V AC / 40 kA Spare arrester	1352450000
280 V		
VPU II 1 280V/40KA*	280 V AC / 40 kA 1-phase	1352580000
VPU II 1+1 280V/40KA*	280 V AC / 40 kA 1-phase + N	1352630000
VPU II 2 280V/40KA*	280 V AC / 40 kA 1-phase	1352600000
VPU II 3 280V/40KA*	280 V AC / 40 kA TN-C	1352700000
VPU II 3+1 280V/40KA*	280 V AC / 40 kA TN-S, TT, IT	1352650000
VPU II 4 280V/40KA*	280 V AC / 40 kA TN-S	1352680000
VPU II 0 280V/40KA	280 V AC / 40 kA Spare arrester	1352570000
280 V – Leakage current free		
VPU II 1 LCF 280V/40KA*	280 V AC / 40 kA 1-phase	1352740000
VPU II 3 LCF 280V/40KA*	280 V AC / 40 kA TN-C	1352790000
VPU II 4 LCF 280V/40KA*	280 V AC / 40 kA TN-S	1352770000
VPU II 0 LCF 280V/40KA	280 V AC / 40 kA Spare arrester	1352730000
400 V		
VPU II 1 400V/40KA*	400 V AC / 40 kA 1-phase	1352830000
VPU II 2 400V/40KA*	400 V AC / 40 kA 1-phase	1352850000
VPU II 3 400V/40KA*	400 V AC / 40 kA TN-C	1352880000
VPU II 4 400V/40KA*	400 V AC / 40 kA TN-S	1352900000
VPU II 0 400V/40KA	400 V AC / 40 kA Spare arrester	1352820000
600 V		
VPU II 1 600V/25KA*	600 V AC / 25 kA 1-phase	1352940000
VPU II 2 600V/25KA*	600 V AC / 25 kA 1-phase	1352970000
VPU II 3 600V/25KA*	600 V AC / 25 kA TN-C	1352990000
VPU II 4 600V/25KA*	600 V AC / 25 kA TN-S	1353020000
VPU II 0 600V/25KA	600 V AC / 25 kA Spare arrester	1352930000
750 V		
VPU II 1 750V/25KA*	750 V AC / 25 kA 1-phase	1351040000
VPU II 2 750V/25KA*	750 V AC / 25 kA 1-phase	1351070000
VPU II 3 750V/25KA*	750 V AC / 25 kA TN-C	1351090000
VPU II 3+1 750V/25KA*	750 V AC / 25 kA TN-S, TT, IT	1351140000
VPU II 4 750V/25KA*	750 V AC / 25 kA TN-S	1351120000
VPU II 0 750V/25KA	750 V AC / 25 kA Spare arrester	1351030000
N-PE		
VPU II 1 N-PE 260V/40KA*	260 V AC / 40 kA N-PE discharger	1351170000
VPU II 0 N-PE 260V/40KA	260 V AC / 40 kA Spare arrester	1351180000
1,000 V		
VPU II 1 1000V/40kA	1,000 V AC / 40 kA 1-phase	1473440000
VPU II 0 1000V/40kA	1,000 V AC / 40 kA Spare arrester	1549700000

* also available with remote signalling contact

** only available with remote signalling contact



VPU Type II UL

Cont. voltage / Discharge current (I_{max})	Mains system	Order No.
VPU II UL 180 V		
VPU II 1 SP 127V *	180 V / 40 kA 1-phase	2025830000
VPU II 2W+N 120/240V *	180 V / 40 kA 1-phase	2025980000
VPU II 3W WYE 120V *	180 V / 40 kA 3-phase WYE	2025520000
VPU II 4W+G WYE 120V *	180 V / 40 kA 3-phase WYE	2026360000
VPU II UL 275 V		
VPU II 3WDA L-G 240V *	275 V / 40 kA Delta System	2025580000
VPU II UL 385 V		
VPU II 1 SP 277V *	385 V / 40 kA 1-phase	2025800000
VPU II 3W WYE 277V *	385 V / 40 kA 3-phase WYE	2025530000
VPU II 4W+G WYE 277V *	385 V / 40 kA 3-phase WYE	2026150000
VPU II UL 510 V		
VPU II 1 SP 347V *	510 V / 40 kA 1-phasing	2025780000
VPU II 3W WYE 347V *	510 V / 40 kA 3-phase WYE	2025570000
VPU II 3WDA L-G 480V *	550 V / 40 kA Delta System	2025600000



VPU Type III

Cont. voltage / Discharge current (I_{max})	Mains system	Order No.
12 to 230 V DIN-rail TS 35		
VPU III R 12V/4KV AC/DC**	12 V / 2 kA 1-phase + N	1351550000
VPU III R 24V/4KV AC/DC**	24 V / 2 kA 1-phase + N	1351580000
VPU III R 48V/4KV AC/DC**	48 V / 2 kA 1-phase + N	1351600000
VPU III R 120V/6KV AC/DC**	120 V / 3 kA 1-phase + N	1351630000
VPU III R 230V/6KV AC**	230 V / 3 kA 1-phase + N	1351650000
VPU III 3/280V AC**	230 V / 3 kA 3-phase with LED	1393050000
230 V - SO LD		
VPU III SO LD**	230 V / 1.5 kA 1-phase + N with LED	1351680000
VPU III SO LD+A	230 V / 1.5 kA 1-phase + N with LED and audible signal	1351700000



VPU Photovoltaic Type I and II

Cont. volt. / Lightning test current (I_{imp})	Mains system	Order No.
Type I Arrestor - 600 to 1,000 V DC		
VPU I 2+0 PV 600VDC*	600 V DC / 12.5 kA Photovoltaic	1351520000
VPU I 2+0 PV 1000VDC*	1000 V DC / 12.5 kA Photovoltaic	1351470000
Type II Arrestor - 600 to 1,500 V DC		
VPU II 2 PV 600VDC*	600 V DC / 40 kA Photovoltaic	1351340000
VPU II 0 PV 600VDC	600 V DC / 40 kA Spare arrester	1351320000
VPU II 2 PV 1000VDC*	1,000 V DC / 25 kA Photovoltaic	1351220000
VPU II 0 PV 1000VDC	1,000 V DC / 25 kA Spare arrester	1351190000
VPU II 3 PV 1000VDC*	1,000 V DC / 40 kA Photovoltaic	1351270000
VPU II 0 PV 1000VDC	1,000 V DC / 40 kA Spare arrester	1375440000
VPU II 3 PV 1200VDC*	1,200 V DC / 40 kA Photovoltaic	1351420000
VPU II 0 PV 1200VDC	1,200 V DC / 40 kA Spare arrester	1351390000
VPU II 3 PV 1500VDC*	1,500 V DC / 25 kA Photovoltaic	1351500000
VPU II 0 PV 1500VDC	1,500 V DC / 25 kA Spare arrester	1351480000



Type I surge protectors (LPZ1)

These are installed at the building entry point and reduce entering voltages. Modern surge protectors such as our VARITECTOR PU Series are able to achieve a level of < 1300 V. Note: as soon as external lightning protection has been installed, the standards prescribe a Type I surge protector at the building entry point.

Type II surge protectors (LPZ2)

These are normally installed at the power distributors of a building and ideally limit the remaining surge voltage.

Type III surge protectors (LPZ3)

These protect connected terminal equipment from surge voltages. For this, the surge voltage entering lines, connectors or power sockets is reduced to a level which equipment or systems can withstand.

You are looking for a suitable solution for your application? Download our selection guide for your individual mains system:



www.weidmueller.com/VPU-selection

Let's connect.

Weidmüller – Your partner in Industrial Connectivity.

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.



Let's connect.

You will find the latest tender documents, additional planning-related information and our online "Surge protection" catalogue with all product and order information at:

www.weidmueller.com/varitector

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
32758 Detmold, Germany
T +49 5231 14-0
F +49 5231 14-292083
info@weidmueller.com
www.weidmueller.com

Your local Weidmüller partner can
be found on our website:
www.weidmueller.com/countries

Made in Germany



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Order number: 2467500000/06/2016/SMKD