



Power Reliability



VALVETRAB US-SPP

UL Listed surge protection for North American power supply systems

VAL-US-SPP surge protection

“Open Type” UL Listed

As part of the Safe Protection Plus product family, VAL-US-SPP features surge protective devices for all common power supply systems in North America in accordance with the NEMA standard. This family includes robust surge protection (SPD) with future-oriented installation and safety features. VAL-US-SPP products are UL Type 1 Listed, meaning that they can be integrated into new and existing systems without further testing.

New disconnection

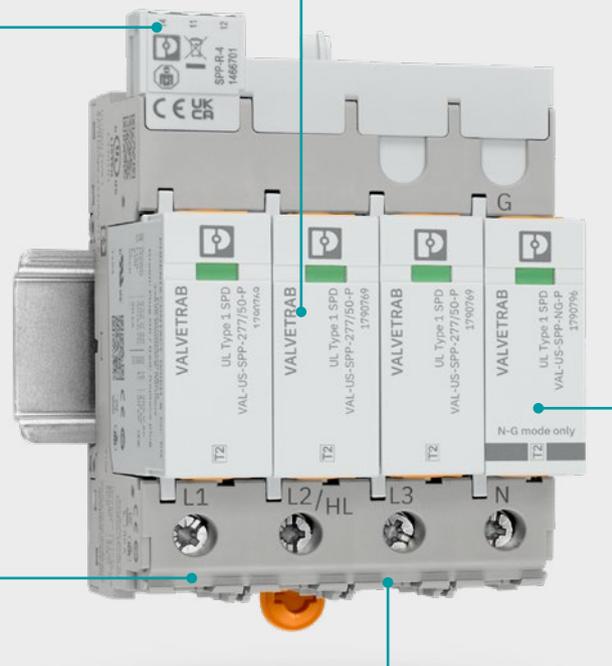
The high-performance disconnection triggers even more rapidly and reliably in the event of an overload or fault.

Pluggable surge protection

The protection modules can be plugged in separately for each path. Overloaded plugs can thus be replaced quickly and inexpensively.

Modular remote signaling

The Safe Protection Plus product family features modular, plug-in remote signaling, which enables quick and easy installation and minimizes effort during maintenance.



Biconnect connection

VAL-US-SPP devices are equipped with Biconnect connections. This means that you can easily bridge the surge protection to other components, such as miniature circuit breakers.

Miswiring and touch protection

The products are equipped with miswiring and touch protection. This reliably prevents mismatching. Touch protection ensures greater safety during operation. Current-carrying parts can no longer be touched once the cables have been connected.

Product overview

VALVETRAB US-SPP									
	Circuit version	Supply system configuration		U _N	I _{max}	Item designation	Item number		
		UL	IEC						
 1-position	1+0	Single-Phase	TN / TT	120 V	50 kA	VAL-US-SPP-120/50/1+0-R	1790744		
					65 kA	VAL-US-SPP-120/65/1+0-R	1790752		
				240 V	50 kA	VAL-US-SPP-240/50/1+0-R	1790763		
				277 V	50 kA	VAL-US-SPP-277/50/1+0-R	1790770		
 2-position	1+1	Single-Phase	TN-S / TT	120 V	50 kA	VAL-US-SPP-120/50/1+1-R	1790745		
					65 kA	VAL-US-SPP-120/65/1+1-R	1790753		
				240 V	50 kA	VAL-US-SPP-240/50/1+1-R	1790764		
				277 V	50 kA	VAL-US-SPP-277/50/1+1-R	1790772		
	2+0	Split-Phase	TN-C	120 V	50 kA	VAL-US-SPP-120/50/2+0-R	1790747		
					65 kA	VAL-US-SPP-120/65/2+0-R	1790754		
		Corner-Grounded Delta	TN-C	240 V	50 kA	VAL-US-SPP-240/50/2+0-R	1790765		
					65 kA	VAL-US-SPP-240D/65/2+0-R	1790786		
 3-position	2+1	Split-Phase	TN-S / TT	120 V	50 kA	VAL-US-SPP-120/50/2+1-R	1790748		
					65 kA	VAL-US-SPP-120/65/2+1-R	1790756		
	3+0	Wye (N and G bonded)	TN-C	120 V	50 kA	VAL-US-SPP-120/50/3+0-R	1790749		
					65 kA	VAL-US-SPP-120/65/3+0-R	1790758		
				240 V	50 kA	VAL-US-SPP-240/50/3+0-R	1790766		
					277 V	50 kA	VAL-US-SPP-277/50/3+0-R	1790773	
				400 V	65 kA	VAL-US-SPP-277/65/3+0-R	1790778		
					40 kA	VAL-US-SPP-400/40/3+0-R	1790783		
	Ungrounded Delta	IT	240 V	65 kA	VAL-US-SPP-240D/65/3+0-R	1790787			
				480 V	40 kA	VAL-US-SPP-480D/40/3+0-R	1790790		
600 V			40 kA	VAL-US-SPP-600D/40/3+0-R	1790793				
 4-position	3+1	Wye	TN-S / TT	120 V	50 kA	VAL-US-SPP-120/50/3+1-R	1790750		
					65 kA	VAL-US-SPP-120/65/3+1-R	1790760		
				240 V	50 kA	VAL-US-SPP-240/50/3+1-R	1790767		
					277 V	50 kA	VAL-US-SPP-277/50/3+1-R	1790774	
				400 V	65 kA	VAL-US-SPP-277/65/3+1-R	1790779		
					40 kA	VAL-US-SPP-400/40/3+1-R	1790785		
	High-Leg Delta	TN-S	240 V	65 kA	VAL-US-SPP-240HLD/65/3+1-R	1790794			
				480 V	40 kA	VAL-US-SPP-480HLD/40/3+1-R	1790795		
			4+0	Wye	TN-S	277 V	50 kA	VAL-US-SPP-277/50/4+0-R	1790776
							65 kA	VAL-US-SPP-277/65/4+0-R	1790781

National Fire Protection Association (NFPA)

Surge protection is mandatory in the USA for safety operating data systems and critical operating data systems. The National Fire Protection Association (NFPA) 79: Electrical Standard for Industrial Machinery, a supplementary document of the National Electrical Code (NEC), describes requirements for the protection of operators, equipment, facilities, and ongoing operations. In order to meet these requirements, UL-listed surge protection has been stipulated since the 2018 edition of NFPA 79.

Using the VAL-US-SPP ensures that you meet these requirements and are on the safe side.



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