



UES5 series surge protective device, which is applicable to various power supply systems of AC 50Hz/60Hz, and below 420V. The product has a latching-divorcement device and a reliable operating status indication, and the function of remote communicated contact is available to achieve long-distance control; the response time is less than 25ns and adopts 35mm electrical rail with easy installation.

Standard

GB 18802.1 low voltage surge protective device (SPD) first part: Performance requirement and testing method of surge protective device in low voltage distribution system

Working Environment

- Working temperature: $-25^{\circ}\text{C}\sim 60^{\circ}\text{C}$;
- Storage temperature: $-35^{\circ}\text{C}\sim 70^{\circ}\text{C}$;
- Relative humidity: relative humidity should not be higher than 95% at 20°C ;
relative humidity should not be higher than 50% at 40°C ;
- Altitudes $\leq 2000\text{m}$;
- Pollution level: level 2;
- The place is without obvious vibration and lash.

Type and Meaning

	UE	S	5	-	T2	/	□	-	20	-	420	-	X
Manufacturer Code UE:	Hongfa Electrical Safety & Controls Co., Ltd												
Product Code: S:	Surge protective device												
Design Serial Number													
Test Type: T1:	test type I; T2: test type II												
Number of Poles: 2:2P; 3:3P; 4:4P; 1N:	1+NPE; 3N: 3+NPE												
Discharge Current: 20:	20kA; T1 means impulse current I_{imp} ; T2 means maximum discharge current I_{max}												
Maximum Continuous Working Voltage (V):	275、385、420												
X:	With remote communicated contact; No code: without remote communicated contact												

Outline and Dimension

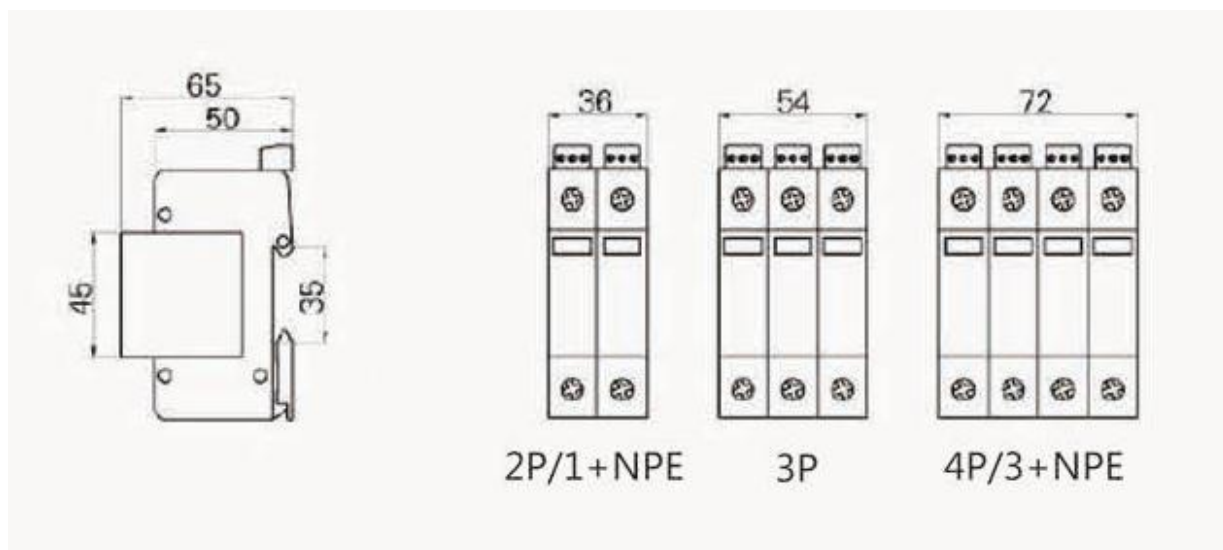


Table 1 Main Technical Parameters

Type	Testing data	Maximum continuous working voltage (Uc)	Nominal discharge current In(8/20us)	Maximum discharge current I _{max} (8/20Us)	Response time t(ns)	Protective level basis IEC529
UES5-T2/□-10-275	GB18802.1	275V	5kA	10kA	≤25	IP20
UES5-T2/□-10-385		385V				
UES5-T2/□-10-420		420V				
UES5-T2/□-20-275		275V	10kA	20kA		
UES5-T2/□-20-385		385V				
UES5-T2/□-20-420		420V				
UES5-T2/□-40-275		275V	20kA	40kA		
UES5-T2/□-40-385		385V				
UES5-T2/□-40-420		420V				
UES5-T2/□-60-275		275V	30kA	60kA		
UES5-T2/□-60-385		385V				
UES5-T2/□-60-420		420V				
UES5-T2/□-80-275		275V	40kA	80kA		
UES5-T2/□-80-385		385V				
UES5-T2/□-80-420		420V				
UES5-T2/□-100-275		275V	50kA	100kA		
UES5-T2/□-100-385		385V				
UES5-T2/□-100-420		420V				

Pn	Testing data	Max continuous working voltage (Uc)	Nominal discharge current In(8/20us)	Maximum discharge current I _{max} (8/20Us)	Response time t(ns)	Protective level basis IEC529
UES5-T1/□-12.5-275	GB18802.1	275V	20kA	12.5kA	≤25	IP20