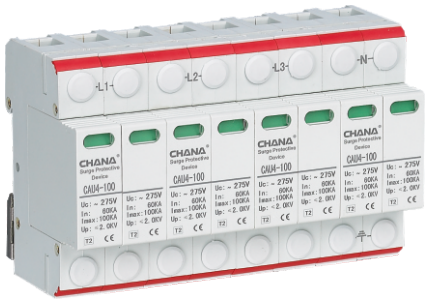
CHANA® CAU4-40 SPD Surge Protective Device

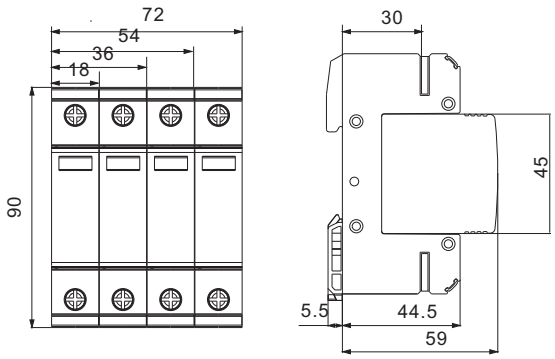
Standard: **IEC61643-1** CE **RoHS**

Application

The type 2 surge protective device are applicable to discharge overvoltage caused by switch-type (8/20μs wave-form) over currents. The type 2 arresters must be installed into sub-distribution boards (at condominium into distribution boards of flats) after main distribution boards containing type 1 arresters. For proper operation at least 10- 15 m cable or wire must be placed between type 1 and type 2 arresters. Otherwise a decoupling coil has to be installed between the two devices. These protectors are modular types with changeable insert; the auxiliary contact is built-in into the housing of the device.



Overall and Installation Dimension(mm)



Technical Data

Model		CAU4-20		CAU4-40		CAU4-B+C		CAU4-60		CAU4-80		CAU4-100	
Type		D		C		B+C		B		B		B	
Rated Voltage(Un)		275V	385V	275V	385V	275V	385V	275V	385V	275V	385V	275V	385V
Maximum Continuous Operation Voltage(Uc)		275V	385V	275V	385V	275V	385V	275V	385V	275V	385V	275V	385V
Voltage Protection Level (Up)		1.2KV	1.5KV	1.3KV	1.6KV	1.5KV	2.0KV	1.4KV	2.0KV	1.6KV	2.2KV	2.0KV	2.5KV
Nominal Discharge Current In (8/20μs)		10KA	10KA	20KA	20KA	30KA	30KA	30KA	30KA	40KA	40KA	60KA	60KA
Maximum Discharge Current Imax (8/20μs)		20KA	20KA	40KA	40KA	50KA	50KA	60KA	60KA	80KA	80KA	100KA	100KA
Maximum Discharge Current Imax (10/350μs)						7KA	7KA						
Reaction Time		<25ns		<25ns		<25ns		<25ns		<25ns		<25ns	
Test Level		T2		T2		T1+T2		T2		T2		T2	
Width/Pole		18mm		18mm		18mm		18mm		18mm		36mm	
Color Mark													
Shell Material		PBT		PBT		PBT		PBT		PBT		PBT	
Ambient Temperature		-40℃~80℃		-40℃~80℃		-40℃~80℃		-40℃~80℃		-40℃~80℃		-40℃~80℃	
Fuse or Circuit Breaker Matched		20A		25A		32A		32A		32A		40A	
Terminal Specification	Line	2.5~35mm²		2.5~35mm²		2.5~35mm²		2.5~35mm²		2.5~35mm²		2.5~35mm²	
	PE	4.0~35mm²		4.0~35mm²		4.0~35mm²		4.0~35mm²		4.0~35mm²		4.0~35mm²	
	Signal	1.5mm²		1.5mm²		1.5mm²		1.5mm²		1.5mm²		1.5mm²	
No.of Pole		1P,2P,3P,4P,1P+N,2P+N,3P+N											
Protection Degree		IP20											
Mounting		DIN rail 35mm											
Network System		TN,TT,IT											
Signal Terminal		Available											

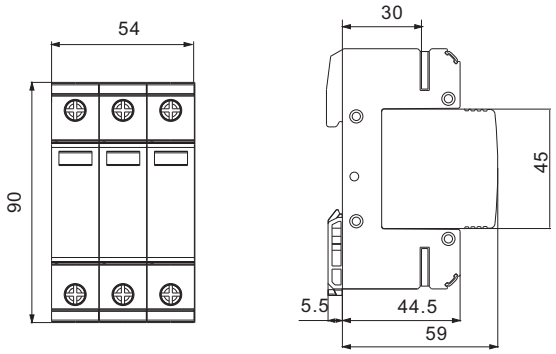
CHANA® CAU4-40Z SPD DC type for Solar System Surge Protective Device

Standard: **IEC61643-1** CE **RoHS**

Application

The function of lightning and surge protection systems is to protect the devices, functional isolations and overvoltage-sensitive consumer equipments of energy distribution systems against all lightning and overvoltage damages.whole building;the outdoor lightning protection system is generally not sufficient to eliminate such malfunctions. At most of types, the defected protection device can be made operative again by changing the damaged insert; these variants are also equipped with both optical operation signal and auxiliary status contact.

Overall and Installation Dimension(mm)



Technical Data

Model and Specification		CAU4-40Z/500	CAU4-40Z/800	CAU4-40Z/1000
Rated Voltage(VDC)		500V	800V	1,000V
Continuous Operation Voltage(VDC)		550V	880V	1,100V
Voltage Protection Level of Up		2.5	3	3.6
Nominal Discharge Current In (8/20μs)		20KA	20KA	20KA
Maximum Discharge Current Imax (8/20μs)		40KA	40KA	40KA
Reaction Time		＜25ns	＜25ns	＜25ns
Width/Pole		18mm	18mm	18mm
Color Mark				
Shell Material		PBT	PBT	PBT
Ambient Temperature		-40℃-80℃	-40℃-80℃	-40℃-80℃
Fuse or Circuit Breaker Matched		25A	25A	25A
Terminal Specification	Line	2.5~35mm^2	2.5~35mm^2	2.5~35mm^2
	PE	2.5~35mm^2	2.5~35mm^2	2.5~35mm^2
	Signal	1.5mm^2	1.5mm^2	1.5mm^2
No.of Pole		V+/PE/V-	V+/PE/V-	V+/PE/V-
Protection Degree		IP20	IP20	IP20
Mounting		DIN rail 35mm	DIN rail 35mm	DIN rail 35mm
Network System		PV	PV	PV
Signal Terminal		Available	Available	Available