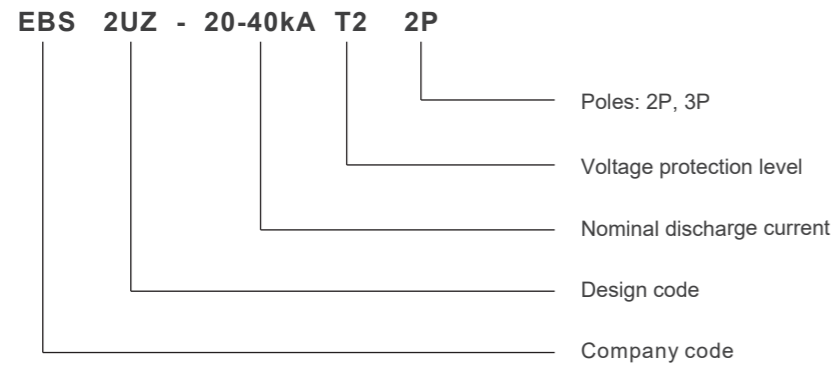


## 1.General

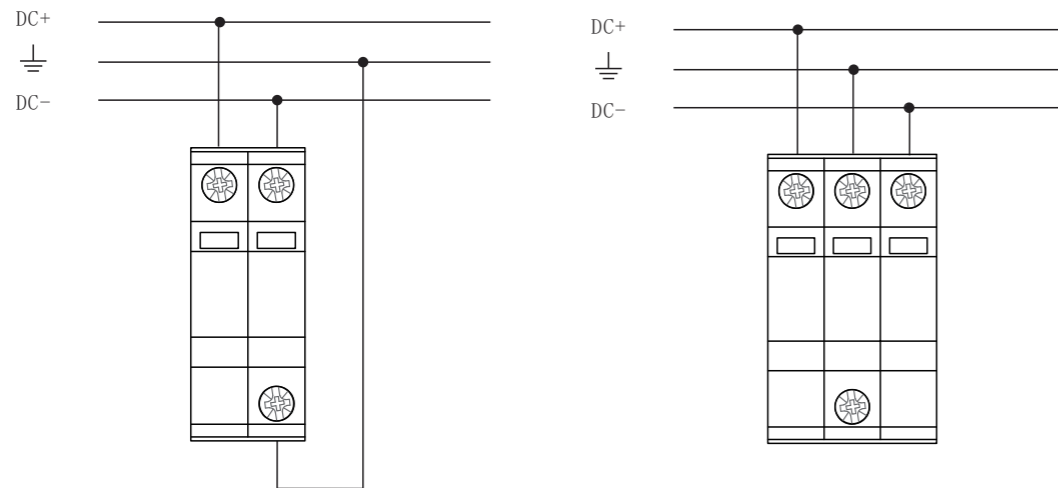
EBS2UZ DC surge arrester is to be installed in 1000V DC system for PV application and other DC application. The product is to be installed in lightning protection zone between LPZ1 to LPZ2 for PV system DC side and other DC distribution box. It will provide surge protection against lightning strike and other surge current.

## 2.Nomenclature



## 3.Installation

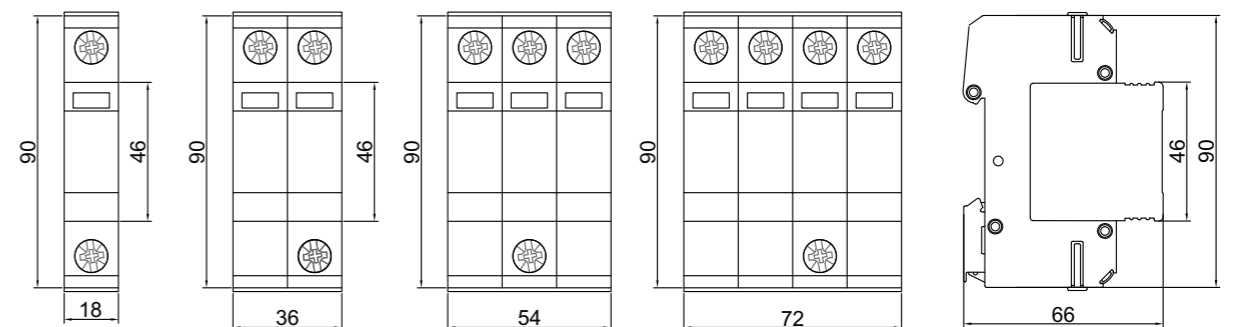
EBS2UZ should be installed as following in 1000V DC PV system or other DC system:



## 4.Specifications

Type	Standard	IEC/EN 61643-1	
SPD Type		T2; T1+T2	
Poles	P	2P	3P
Max. Continuous operating a.c.voltage/Voltage UCPV	V	DC500/600; DC1000	DC1000; DC1500
Norminal discharge current (8/20μs) In	A	20k	
Max. discharge current (8/20μs) I <sub>max</sub>	A	40k	
Voltage protection level U <sub>p</sub>	V	< 3.8kV	
Short circuit withstand ISCPV	A	1000	
Location		Indoor	
SPD failure behavior		open circuit mode	
Residual current IPE ac. and dc.		500μA; 50μA	
Response time		25ns	
Follow current extinguishing capability a.c.		No follow current	
Operating temperature and humidity	°C	-40~+70 5% to 95%	
Enclosure material		PA-6V0	
Protection Level		IP2X	
Terminal connection type		Cable	
Terminal size top / bottom for cable	mm <sup>2</sup>	25	
	AWG	18-3	
Terminal size top / bottom for busbar	mm <sup>2</sup>	25	
	AWG	18-3	
Tightening torque	N*m	2.5	
	In-lbs	18	
Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom	

## 5.Dimensions



## 6. Routine maintenance

- The SPD should be checked from time to time to make sure that the indicator is green colour.
- The SPD should not be rewired once the installation is done. The earthing cable should be as short as possible.
- The SPD should be changed once the indicator turns to red.

## 7. Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & protection level	To order the EBS2UZ Surge Protector, $I_{max}=40kA$ $I_n=10kA$ ,
Poles	protection level is TYPE2, 1 Poles, $U_c=1000$ and quantity is 100
Max. release current	pieces, should be marked:
Max. continuous working voltage	surge protector EBS2UZ-40/10/1P/1000, 100PCS.
Quantity	