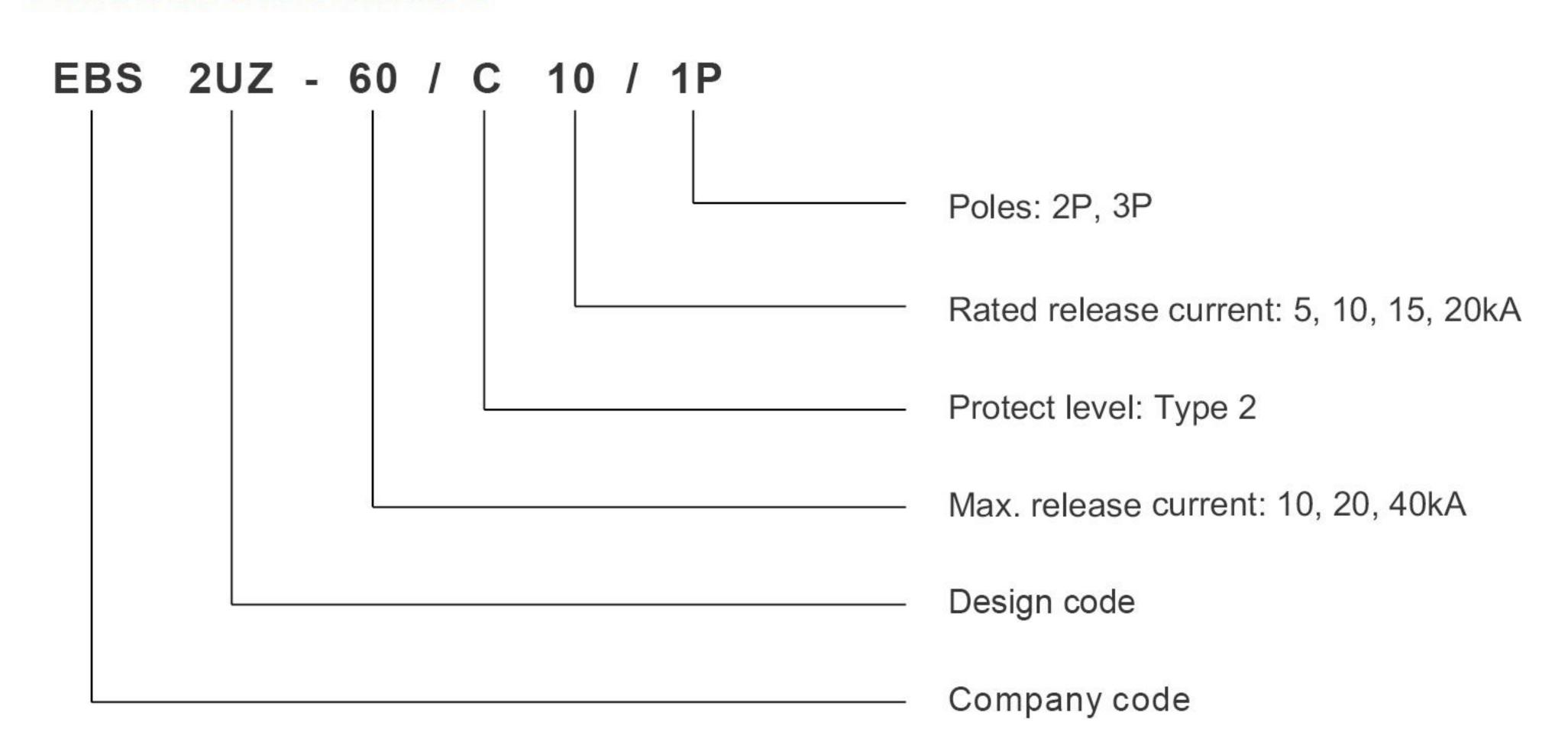


1.Function

EBS2UZ DC surge arrester is to be installed in 1000V DC system for PV application and other DC application. The product is to 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 lighting strike and other surge current.

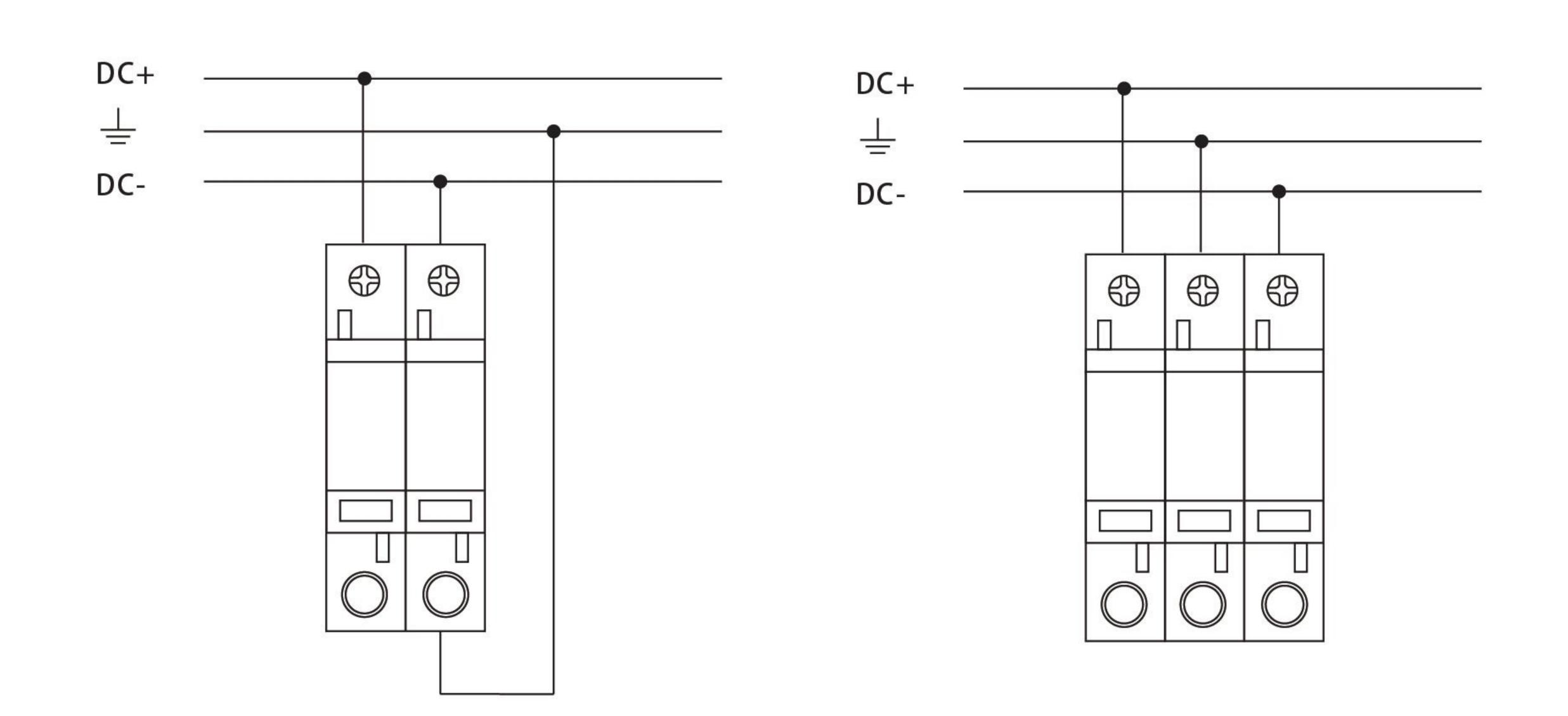


2.Nomenclature



3.Installation

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

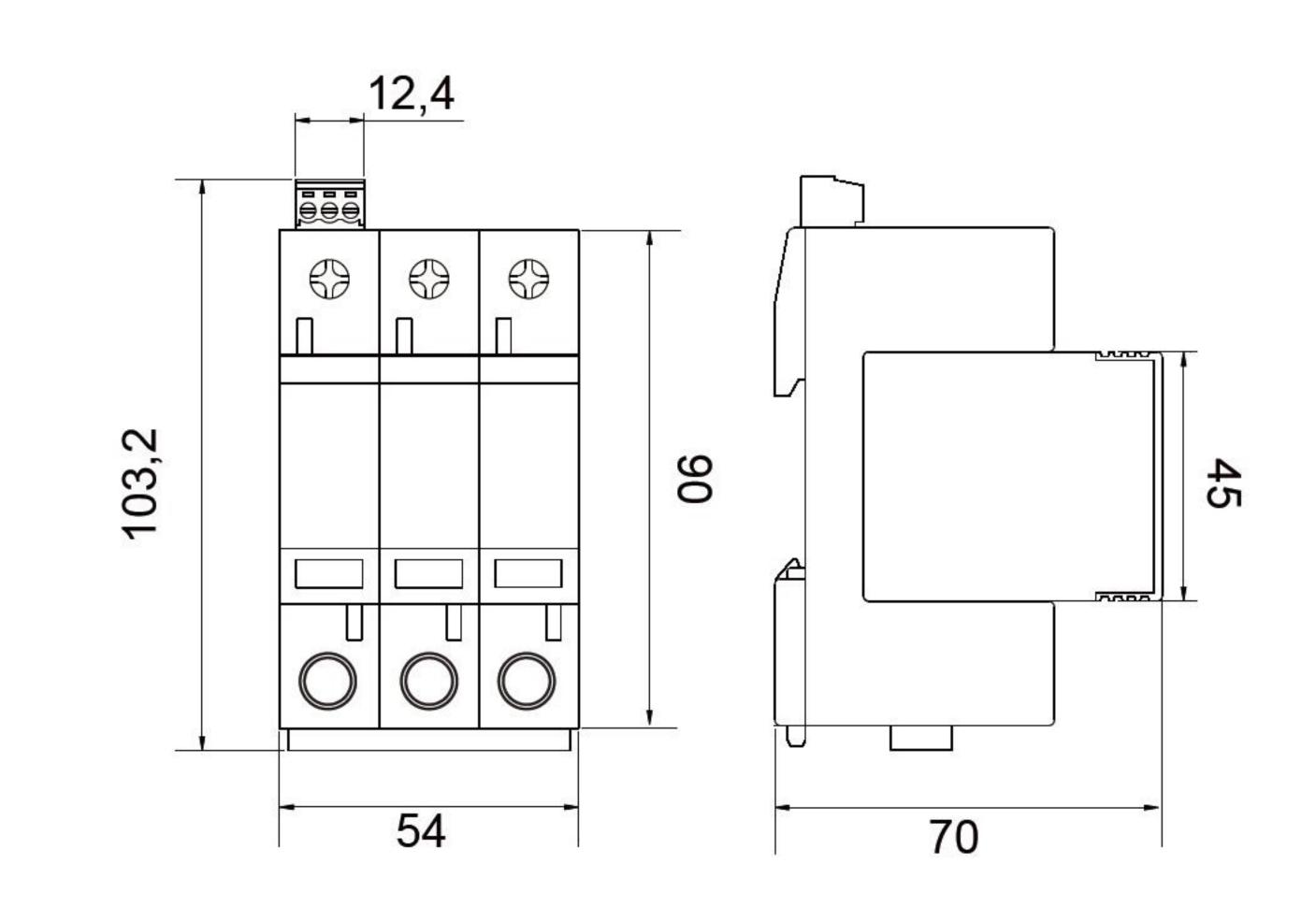




4.Specifications

Туре	Standard		IEC/EN 61643-1	
Electrical features	SPD Type		T2; T1+T2	
	Poles	Р	2P	3P
	Max. Continuous operating a.c.voltageVoltage UCPV	V	DC500/600; DC1000	DC1000; DC1500
	Norminal discharge current (8/20µs) In	Α	20k	
	Max. discharge current (8/20µs) Imax	Α	40k	
	Voltage protection level Up	V	<3.8kV	
	Short circuit withstand ISCPV	Α	1000	
	Location		Indoor	
	SPD failure behavier		open circuit mode	
	Residual current IPE ac. and dc.		500μΑ; 50μΑ	
	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	
Installation	Terminal connection type		Cable	
	Terminal size top / bottom for cable	mm²	25	
		AWG	18-3	
	Terminal size top / bottom for busbar	mm²	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



EBS2UZ DC Surge Protector Device



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,Imax=40kA In=10kA,		
Poles	protection level is TYPE2,1 Poles,Uc=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			

003 www.timax-electric.com