EBS2UZ
DC Surge Protector

Introduction

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.

Nomenclature

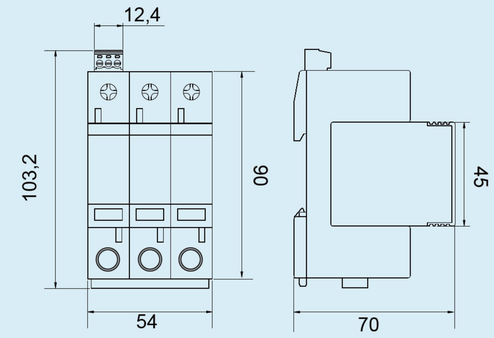
EBS 2UZ - 60 / D 10 / 1P

- Poles: 2P,3P
- Rated release current: 5,10,15,20 kA
- Protect level: TYPE 2
- Max. release current: 10,20,40kA
- Design code:2UZ
- Company code

Technical Parameter

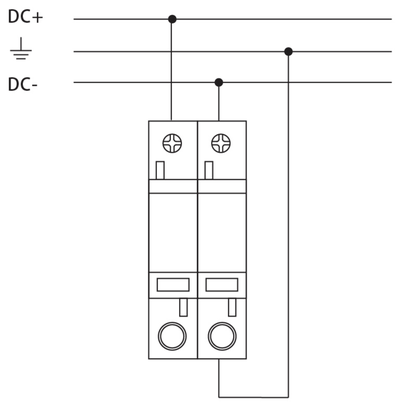
SPDType	TYPE2
Max. Continuous operating a.c.voltageVoltage UCPV	1000V DC
Norminal discharge current (8/20μs) In	20kA
Max. discharge current (8/20μs) Imax	40kA
Voltage protection level Up	＜3.8kV
Short circuit withstand ISCPV	1000A
Location	Indoor
SPD failure behavier	open circuit mode
Residual current IPE ac. and dc.	500μA; 50μA
Response time	25ns
Follow current extinguishing capability a.c.	Nofollowcurrent
Operating temperature and humidity	-40℃ to + 70℃ 5% to 95%
Enclosure material	PA-6V0
Protection Level	IP2X
Cross-section area (Min.)	4mm^2
Cross-section area (Max.)	25mm^2
For mounting on	35mmDINrail
Cable length to earthing bar	≤200mm
Standard	IEC61643-1

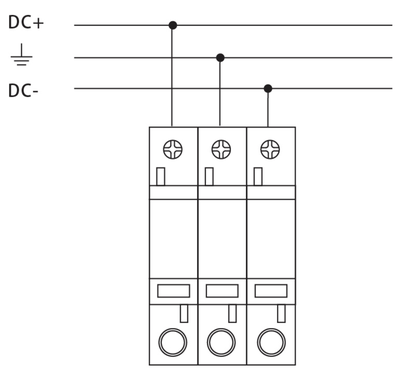
Dimension



Installation

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





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.

Order Note

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