

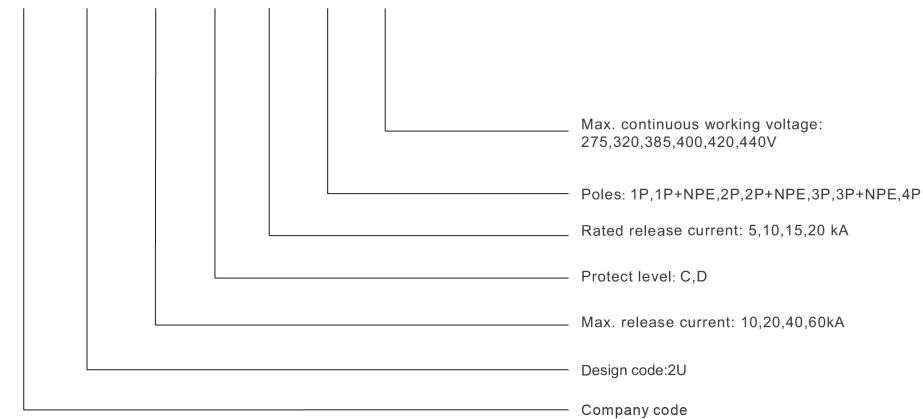
## EBS2U

### Surge Protector



#### Nomenclature

EBS 2U - 60 / D 10 / 1P / 275



#### Technical Parameter

	EBS2U-40	EBS2U-40 N-PE
According to IEC61643-11	Type 2	Type 2
Max. continuous operation AC voltage $U_c$	275V AC	255V AC
Normal discharge current (8/20 $\mu$ s) $I_n$	20kA	20kA
Maximum discharge current (8/20 $\mu$ s) $I_{max}$	40kA	
Peak current (10/350) $I_{peak}$		12.5kA
Voltage protection level (L-N) $U_p$	1.5kV	1.5kV
Response time (L-N) $t_A$	25ns	25ns
Environment temperature $T_u$	-40 °C ~80 °C	-40 °C ~80 °C
Status indicator	Green / red	Green / red
Mounting	36mm Standard Guide	36mm Standard Guide
Cross section of wire (Min.)	4mm <sup>2</sup>	4mm <sup>2</sup>
Cross section of wire (Max.)	35mm <sup>2</sup>	35mm <sup>2</sup>
Casing material	Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection	IP20	IP20
Remote signalling	Optional	Optional
Dimension (LxWxH)	90x70x54mm	90x70x54mm

#### Order Note

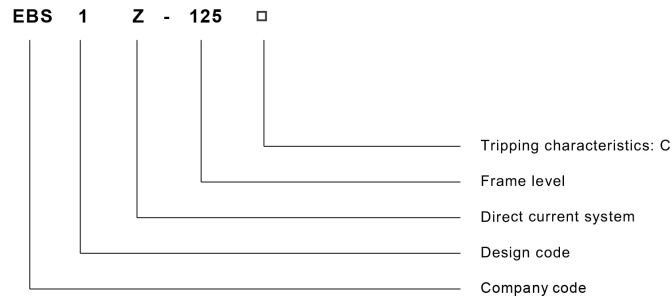
Following items should be marked when ordering	Ordering sample
Product name, model	To order the EBS2U Surge Protector, $I_{max}=60kA$ $I_n=10kA$ , protection level is C,1 Poles, $U_c=140$ and quantity is 100 pieces, should be marked:
Poles,	surge protector EBS2U-60/C10/1P/140,100PCS.
Protection level,	
Max.release current,	
Max. continuous working voltage	
Quantity	

# EBS1Z-125

## DC mini Circuit Breaker



### Nomenclature



### Application

EBS1Z series DC Mini Circuit Breaker is suitable in normal current 125A and below, directly-current rated voltage 220V and 440V, Uses for carries on the overload, short-circuit protection to the current electrical power distribution system's facility and the electrical equipment, and used in professional electric power, posts and telecommunications transportation, Industrial and mining establishments, and so on. It comply with IEC60947-2, GB14048.2 standards.

### Feature

EBS1Z-125 is composed by shell, operation structure, thermal tripping system, electromagnetic tripping contact system, and Arc system lamp. It is used for overload and short-circuit protection, the short-circuit breaking capacity up to 10KA, mechanical lifespan over 20,000 times, elegant appearance, adopting TH35-7.5 standard steel rail, the characteristics are as follows: the handle is designed above the front surface, safe and comfortable in operation; when connecting the wires must be pay attention to the polarity"+, "-", under the power source progresses, up for input, down for output, conforms to the characteristics of power source connection. Easy for installation, Ensure a cost-effective range of wires.

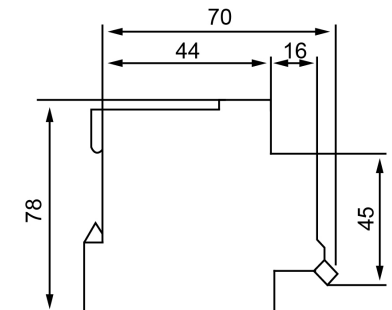
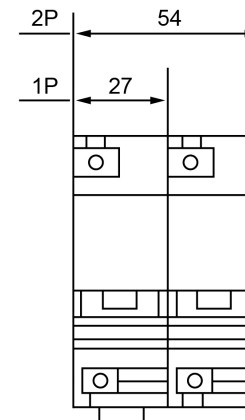
### Technical Data

Frame level rated current Imm(A)	pole	Width/bi (18mm multiple)	Rated voltage(V)	Rated current(A)	Ultimate short-break capacity		Instantaneous trip type
					Current Icu(A)	Time constant T(ms)	
125	1	1	DC 110V/220V	63 80 100 125 A	10000	10	C
	2	2	DC 220V/440V				
	3	3	DC 750V		6000		
	4	4	DC 1000V				

### Standard Time Current

Test	Type	Test current	Original current	The tripping type does not release the time limit	Result	Remark
a	C	1.05In	Cold state	t≥2h	No trip	
b	C	1.3In	Following a tes	t<2h	trip	Current up steadily in 5s
c	C	8In	Cold state	t≥0.2s	tNo trip	Shut auxiliary switch and connect the power
		12In		t<0.2s	trip	
						power

### Overall And Mounting Dimensions

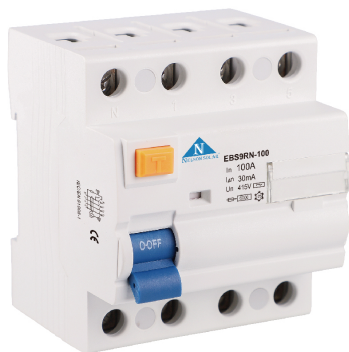


### Order Note

Following information need be marked when order Product name and model Curve characteristic, poles, Rated current, Quantity

# EBS9RN

## Residual Current Circuit Breaker



### Nomenclature

EBS 9RN - 100 / 2P 25 / 30

- Rated residual current: 30mA, 100mA, 300mA
- Rated current: 25, 32, 40, 63, 80, 100A
- Poles: 2P, 4P
- Frame level : 100A
- Design code
- Company code

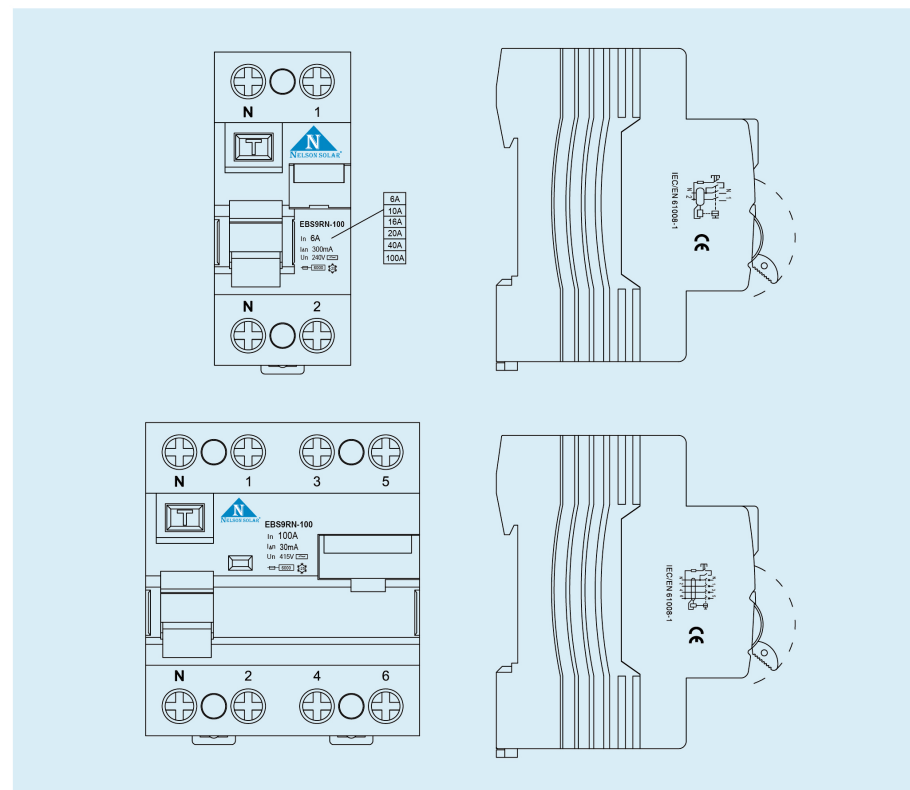
### Function

- Provides protection against earth fault/leakage current and unction of isolation
- High short-circuit current withstand capacity
- Applicable to terminal and pin/U type busbar connection
- On off display function of contact position
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity

### Technical Parameter

Standard	IEC61008
Poles	2P, 4P
Rated current In(A)	25,32,40,63,80,100A
Rated voltage Un (V)	2P: 230V~ 50/60Hz 4P: 400V~ 50/60Hz
Rated conditional short-circuit current Icn(A)	6000A
Rated residual operating current I $\Delta$ n(mA)	30,100,300
Rated residual non operating current I $\Delta$ no	0.5I $\Delta$ n~I $\Delta$ n
Action time	instantaneous type $\leq$ 0.1S
Protection grade	IP20
Ambient temperature	-5℃ ~+40℃
Installation	DIN rail 35mm, panel mounting

### Dimensions



### Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	TTo order EBS9RN-100 residual current circuit breaker, frame level 100A, 2P, rated current 25A, rated residual current is 30mA, quantity 100 pieces, should be marked:
Frame level	
Poles	
Tripping characteristic and rated current	RCCB EBS9RN-100/2P 25/30, 100PCS.
Rated residual current	
Quantity	

# EBS2UZ

## DC Surge Protector

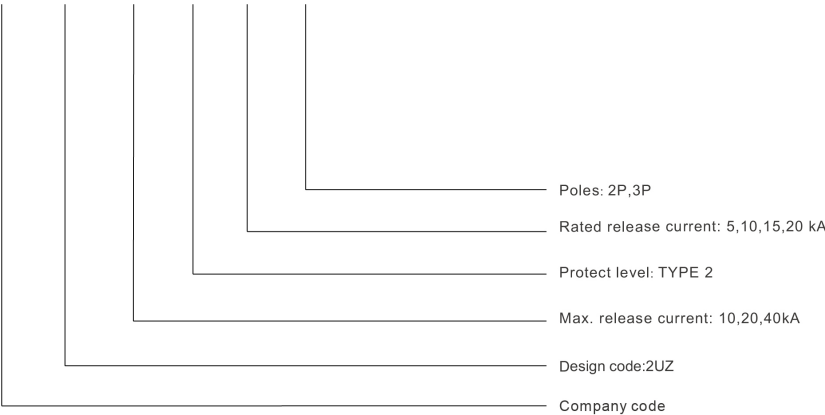


### Introduction

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 lightning strike and other surge current.

### Nomenclature

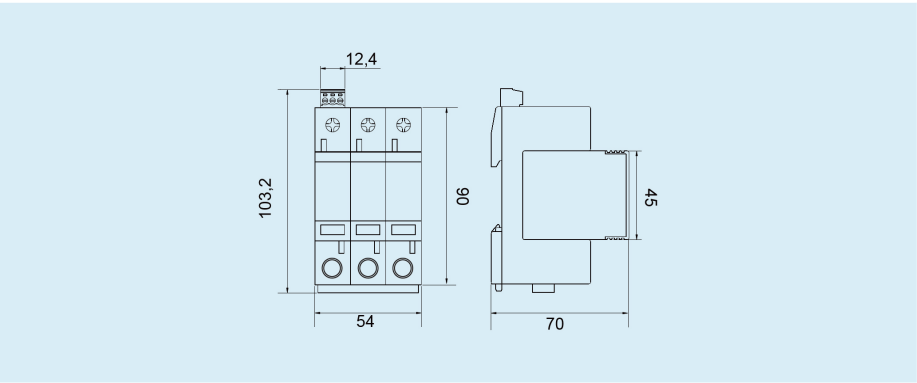
EBS 2UZ - 60 / D 10 / 1P



### Technical Parameter

SPDType	TYPE2
Max. Continuous operating a.c.voltageVoltage UCPV	1000V DC
Normal 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 behavior	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 <sup>2</sup>
Cross-section area (Max.)	25mm <sup>2</sup>
For mounting on	35mmDINrail
Cable length to earthing bar	≤200mm
Standard	IEC61643-1

### Dimension





# EBS1Z-63

## DC mini Circuit Breaker



### Nomenclature



### Application

EBS1Z series DC mini Circuit Breaker is suitable in normal current 63A and below, directly-current rated voltage 250V-1000V, Uses for carries on the overload, short-circuit protection to the current electrical power distribution system's facility and the electrical equipment, and used in professional electric power, posts and telecommunications transportation, Industrial and mining establishments, and so on. It comply with IEC60898-2, GB10963 standards.

### Feature

EBS1Z-63 is composed by shell, operation structure, thermal tripping system, electromagnetic tripping contact system, and Arc system lamp. It is used for overload and short-circuit protection capacity up to 10kA, mechanical lifespan over 20,000 times, elegant appearance, adopting TH35-7.5 standard steel rail, the characteristics are as follows: the handle is designed above the front surface, safe and comfortable in operation; when connecting the wires must be pay attention to the polarity "+", "-", under the power source progresses, up for input, down for output, conforms to the characteristics of power source connection. Easy for installation, save the line.

### Technical Data

Frame level rated current Imm(A)	pole	Width/bi (18mm multiple)	Rated voltage(V)	Rated current(A)	Ultimate short-break capacity		Instantaneous trip type
					Current Icu(A)	Time constant T(ms)	
63	1	1	DC 250V	1 2 3 4 5 6	10000	10	B C
	2	2	DC 500V	10 16 20 25 32			
	3	3	DC 750V	40 50 63 A	6000		
	4	4	DC 1000V				

### Standard Time Current

Test	Type	Test current	Original current	The tripping type does not release the time limit	Result	Remark
a	B C	1.3In	Cold state	$t \geq 1h (I_{ns} 63A)$	No trip	
b	B C	1.45In	Following a test	$t < 1h (I_{ns} 63A)$	trip	Current up steadily in 5s
c	B C	2.55In	Cold state	$1s < t < 60s (I_{ns} 32A)$	trip	
				$1s < t < 120s (I_{ns} > 32A)$		
d	B C	4In	Cold state	$0.1s \leq t \leq 45s (I_{ns} 32A)$ $0.1s \leq t \leq 90s (I_{ns} > 32A)$	trip	Shut auxiliary switch and connect the power
		7In		$0.1s \leq t \leq 15s (I_{ns} 32A)$ $0.1s \leq t \leq 30s (I_{ns} > 32A)$		
e	B C	7In	Cold state	$t < 0.1s$	trip	
		15In				

### Overall And Mounting Dimensions

