

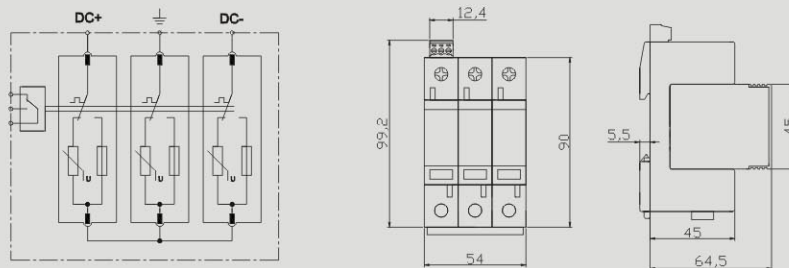
## DC Surge Arrester for pv 直流光伏电涌保护器

[www.britecelectric.com](http://www.britecelectric.com)



## BRPV3GD

Type 1+2 DC Surge Arrester for PV  
直流电涌保护器



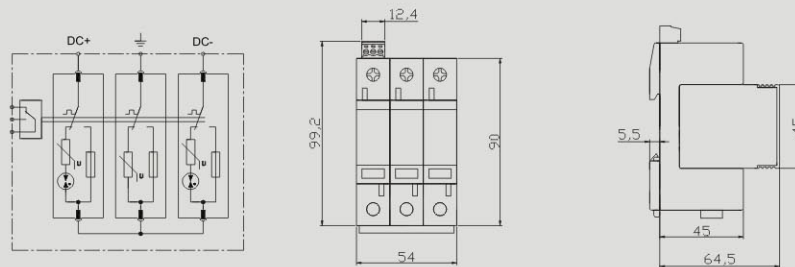
3 Mod	BRPV3 600	BRPV3 1000
SPD classification according to IEC61643-11	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II
Max. PV voltage $U_{cpv}$	$\leq 600V$	$\leq 1000V$
Max. continuous operating d.c. voltage (DC+/DC-)->PE $U_c$	300V	500V
Lightning impulse current (10/350 $\mu s$ ) $I_{imp}$	12.5kA	12.5kA
Nominal discharge current (8/20 $\mu s$ ) $I_n$	20	20
Max. discharge current (8/20 $\mu s$ ) $I_{max}$	40	40
Voltage protection level [(DC+/DC-)->PE] $U_p$	$\leq 2.6kV$	$\leq 4.0kV$
Response time $t_A$	$\leq 25ns$	$\leq 25ns$
Operating temperature range $T_u$	-40°C -80°C	-40°C -80°C
Operating state/fault indication	green/red	green/red
Cross-section area (Min.)	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Cross-section area (Max.)	35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on	35mm Din rail	35mm Din rail
Enclosure material	Thermalplastic UL94-V0	
Degree of protection	IP20	IP20
Order Code	B8001	B8002
Order code (With remote signal)	B8003	B8004





## BRPV3

Type 2 DC Surge Arrester for PV  
直流电涌保护器



3 Mod free leakage current		BRPV3 600 GD	BRPV3 1000 GD
SPD classification according to IEC61643-11		Type 2	Type 2
SPD classification according to IEC61643-1		Class II	Class II
Max. PV voltage	Ucpv	≤ 600V	≤ 1000V
Max. continuous operating d.c. voltage (DC+/DC-)→PE Uc		300V	500V
Nominal discharge current (8/20 μs)	In	20	20
Max. discharge current (8/20 μs)	I <sub>max</sub>	40	40
Voltage protection level [(DC+/DC-)→PE] Up		≤ 2.6kV	≤ 4.0kV
Response time	t <sub>A</sub>	≤ 25ns	≤ 25ns
Operating temperature range Tu		-40°C -80°C	-40°C -80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Cross-section area (Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermalplastic UL94-V0	
Degree of protection		IP20	IP20
Order Code		B8005	B8006
Orde code (With remote signal)		B8007	B8008

Let all the circuits  
get surge protected

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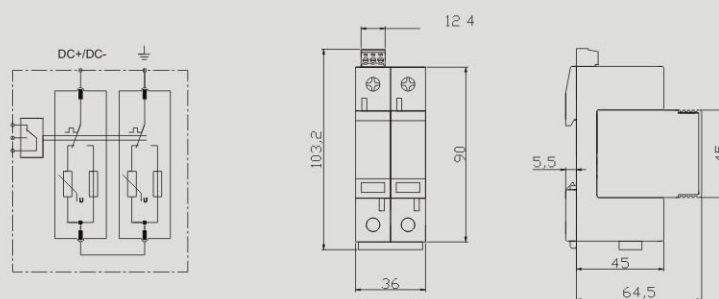
# BRITEC

**8**  
YEAR  
WARRANTY!

**600V**  
**1000V**  
DC

**T2**  
PV

## BRPV2 Type 2 DC Surge Arrester 直流电涌保护器



2 Mod	BRPV3 600	BRPV3 1000
SPD classification according to IEC61643-11	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II
Max. PV voltage U <sub>cpv</sub>	≤ 600V	≤ 1000V
Max. continuous operating d.c. voltage (DC+/DC-)→PE U <sub>c</sub>	300V	500V
Nominal discharge current (8/20 μs) I <sub>n</sub>	20	20
Max. discharge current (8/20 μs) I <sub>max</sub>	40	40
Voltage protection level U <sub>p</sub>	≤ 2.6kV	≤ 4.0kV
Response time t <sub>A</sub>	≤ 25ns	≤ 25ns
Operating temperature range T <sub>u</sub>	-40°C -80°C	-40°C -80°C
Operating state/fault indication	green/red	green/red
Cross-section area (Min.)	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Cross-section area (Max.)	35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on	35mm Din rail	35mm Din rail
Enclosure material	Thermalplastic UL94-V0	
Degree of protection	IP20	IP20
Order Code	B8009	B8010
Order code (With remote signal)	B8011	B8012