

Test Report

Order to Test: BET got the order from OBO Bettermann to test the SPD V25-B/3 and V25-B/4 with the max. discharge current.

Execution of Testing:

The devices under test (DUT) have to carry two impulses 8/20. Before and after these impulses the point of 3mA of each varistor is tested. The difference between these points have to be less than $\pm 10\%$.

Parameters of Testing:

Point of 3mA before Testing:

DUT 1 V25-B/3

Varistor 1	Varistor 2	Varistor 3
443 V	439 V	438 V

DUT2 V25-B/4

Varistor 1	Varistor 2	Varistor 3	Varistor 4
438 V	433 V	446 V	442 V

Prüfsequenz: V25B34		Datum: 14/May/1997 07:50:11					
Test V25-B max discharge current							
Lfd.-Nr.	fronttime	time to half value	peak value	Q	W/R		
1	8,8 μ s	22,7 μ s	153,1kA	3,6As	363,5kA ² s	07:53	DUT 1
2	9,0 μ s	22,7 μ s	153,1kA	3,7As	363,2kA ² s	07:56	DUT 1
3	9,5 μ s	24,0 μ s	198,6kA	5,1As	654,8kA ² s	09:03	DUT 2
4	9,5 μ s	23,9 μ s	198,4kA	5,1As	651,2kA ² s	09:05	DUT 2

Point of 3mA after Testing:

DUT 1 V25-B/3

Varistor 1	Varistor 2	Varistor 3
441 V	428 V	434 V

DUT 2 V25-B/4

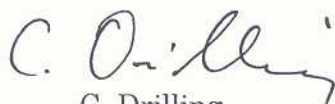
Varistor 1	Varistor 2	Varistor 3	Varistor 4
422 V	428 V	438 V	437 V

Result :

V25-B/3 The DUT is with the point of 3mA within the tolerance of $\pm 10\%$ and fulfils the criteria of these test. The max. discharge current of the V25-B/3 is 150 kA.

V25-B/4 The DUT is with the point of 3mA within the tolerance of $\pm 10\%$ and fulfils the criteria of these test. The max. discharge current of the V25-B/4 is 200 kA.

Menden, 14.05.97


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