
Test Report

Report No: EL01-2104001
Sample Description: 600V SLVC-J4-500MCM
Date of Issue: 2021/04/19

Laboratory: Chardon Taiwan Test Lab.
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Approved by:

Boris Hsieh



Information

Test Type:	Verification Test
Type or Part No.	SLVC-J4-500MCM
Quantity of Parts:	1 pc
Date of Receipt:	2021/04/12
Date of Test:	2021/04/17
Compliance:	N/A
Client:	Chardon Taiwan Sales & Customer Service Department
Address:	No. 37 Min-Chie Road Tung Lo Industrial Park Miao Li, Taiwan 366
Manufacturer:	Chardon Taiwan Group
Address:	No. 37 Min-Chie Road Tung Lo Industrial Park Miao Li, Taiwan 366
Test Laboratory:	Chardon Taiwan Test Laboratory
Address:	No. 37 Min-Chie Road Tung Lo Industrial Park Miao Li, Taiwan 366
Disposition of Sample:	Scrap 90 days after report date.

Notice:

1. There are 7 pages in this report, including the cover page; The Test Report has to be presented, if necessary, as complete copy, not part of it.
2. The contents of this report is for reference only, not for advertising, general public or any other commercial purposes.
3. The article(s) name of the article(s) to be tested and Sampler(s) is supplied by the applicant ; 「 Chardon Taiwan Test Lab. 」 is responsible for carrying out necessary test procedures only.
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Object

To verify the short-time current carrying capacity of the connector.

Testing Samples

Chardon SLVC

SLVC-J4-500MCM

1 PC

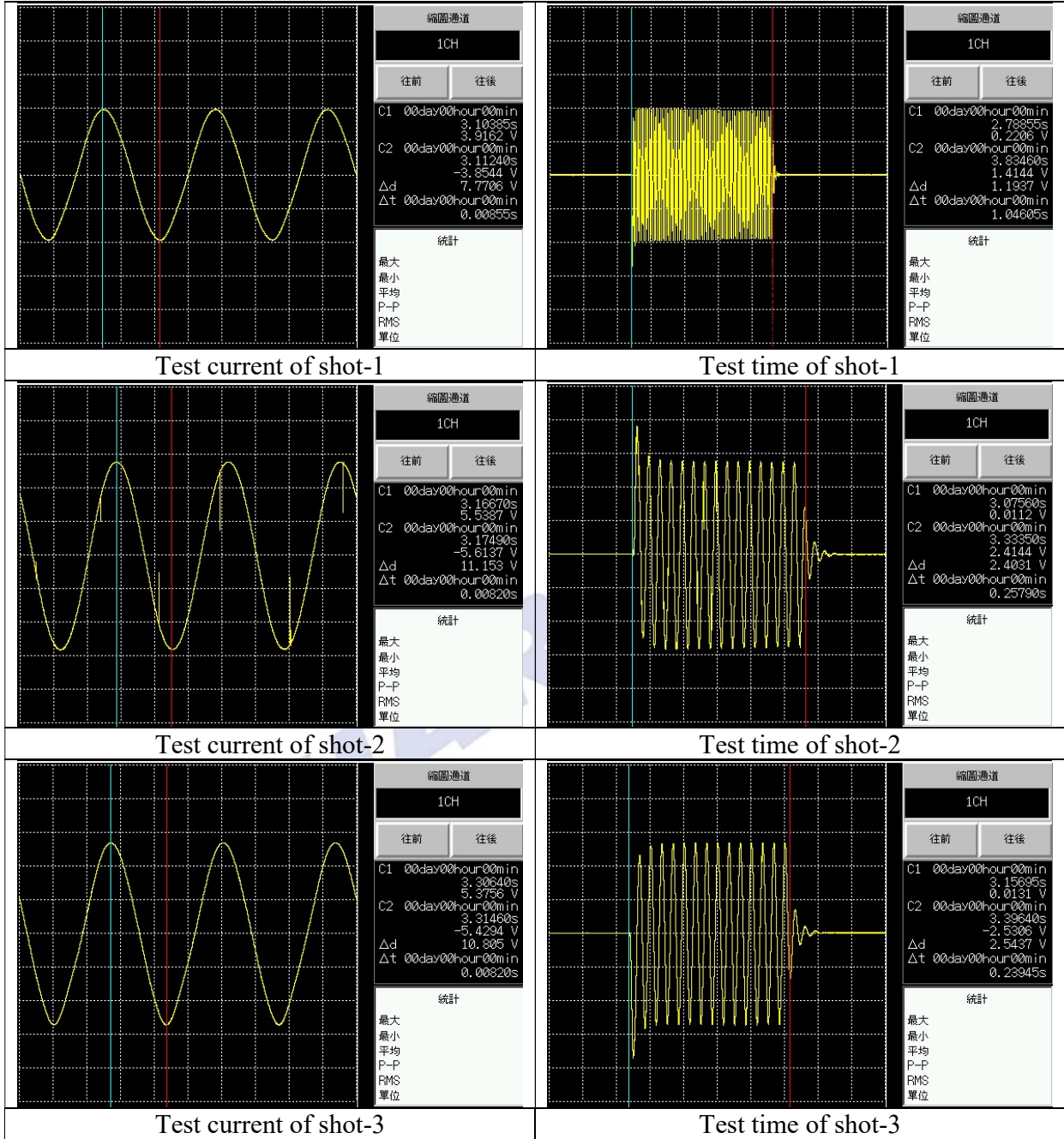
Procedure and Testing Spec

1. Assembled the Chardon SLVC (SLVC-J4) using two 0.8 meter length 500MCM XLPE Aluminum Cables.
2. 1 shot at 26.1 kA for a duration of the 1 second.
3. 9 shots at 38.0 kA for a duration of the 0.17 seconds per shot.

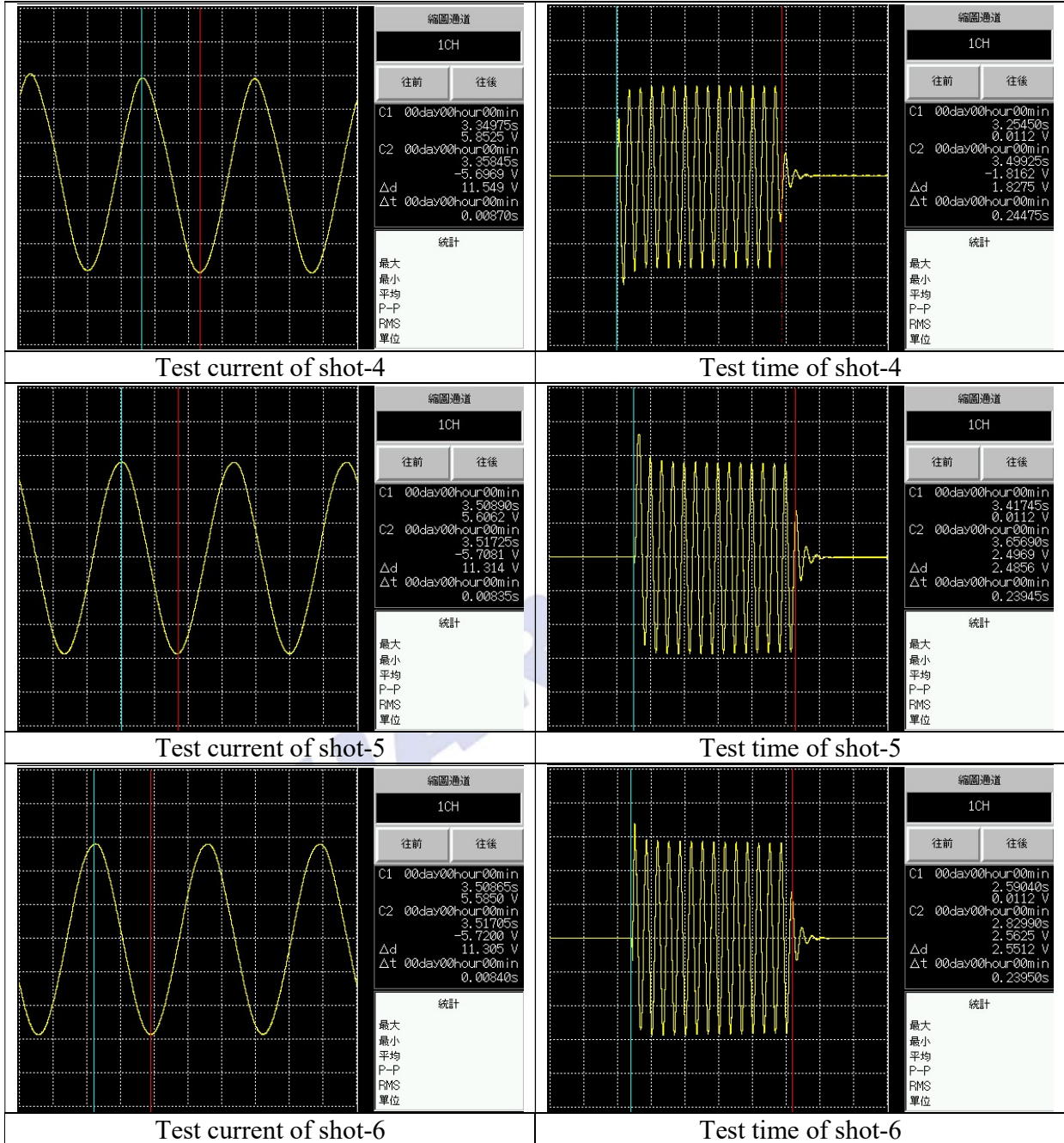
Results

Test shots	Short-time current test	Results
1	27.47 kA for 1.046 seconds	Normal
2	39.43 kA for 0.257 seconds	Normal
3	38.20 kA for 0.239 seconds	Normal
4	40.83 kA for 0.244 seconds	Normal
5	40.00 kA for 0.239 seconds	Normal
6	39.97 kA for 0.239 seconds	Normal
7	40.50 kA for 0.234 seconds	Normal
8	40.30 kA for 0.236 seconds	Normal
9	39.81 kA for 0.240 seconds	Normal
10	40.43 kA for 0.240 seconds	Normal

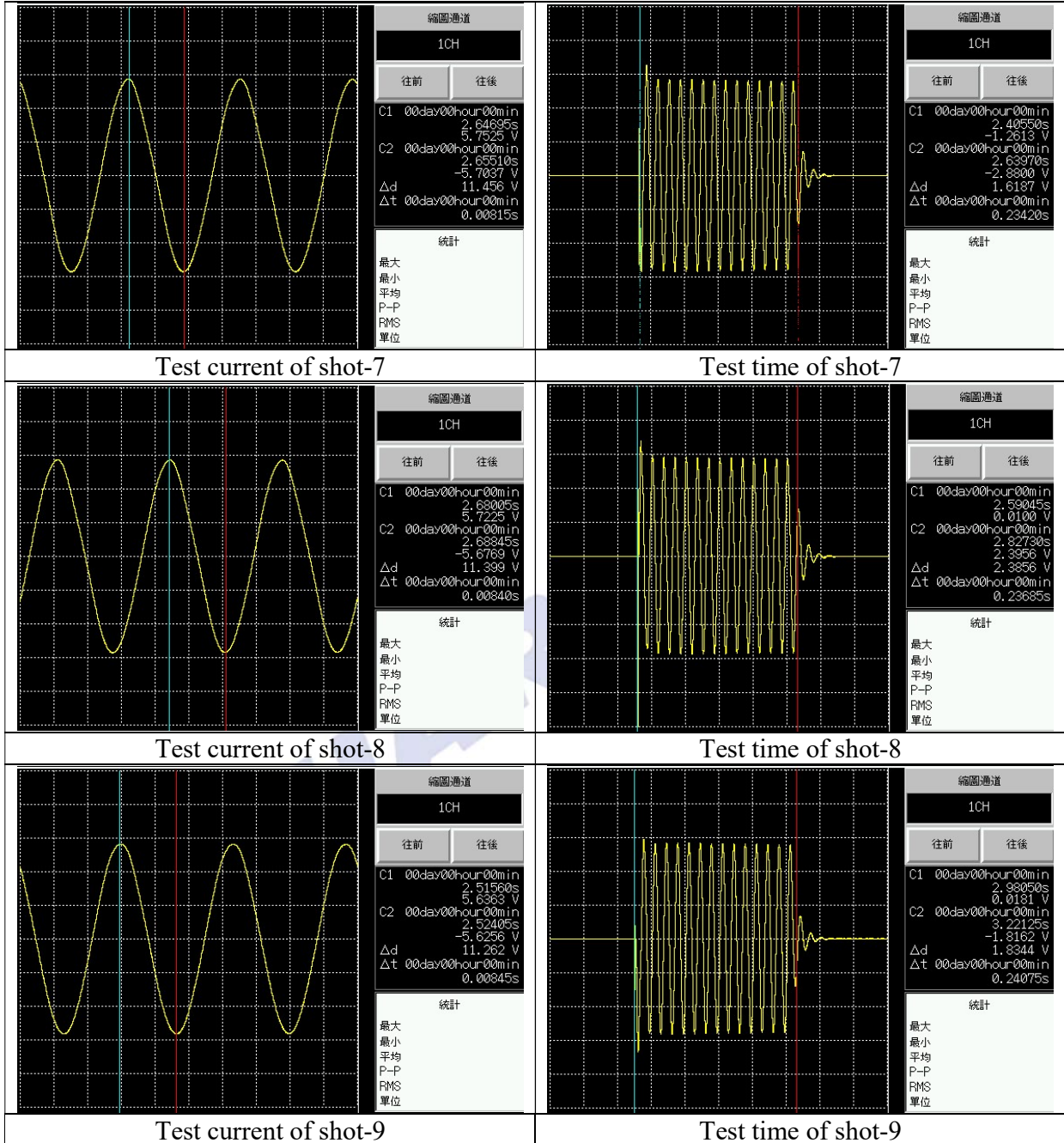
Test wave



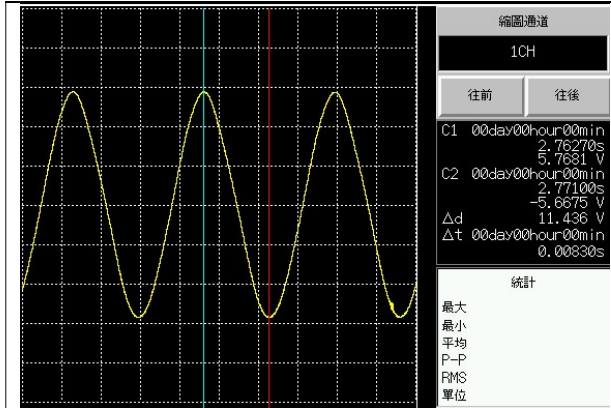
Test wave



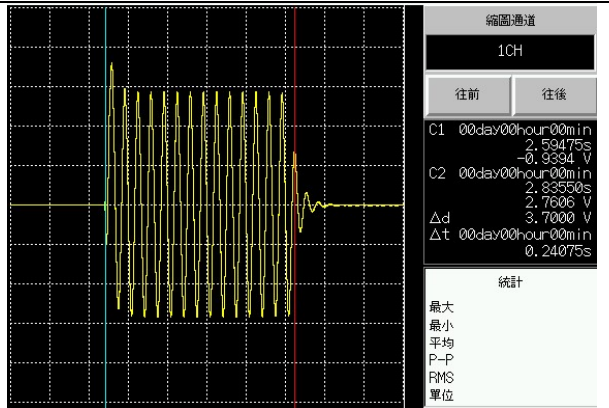
Test wave



Test wave



Test current of shot-10



Test time of shot-10

Test photo



Controlling device



Current transmitter



Short-time current test



After short-time current test