

TEST REPORT

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Test	Rei	nort.	Num	ber
1631	170	VVIL	140111	

: CPRIBLRSCLMISC22T0631 Date: 01 July 2022

Name and Address of the Customer

M/s. Multipower Earthing Solutions Pvt. Ltd., Shed No-01, Sr No-35/1, Opp. Jijai Hotel, Khedekar Ind. Estate, Narhe, Pune-411041, Maharashtra, India.

Name and Address of the Manufacturer

: M/s. Multipower Earthing Solutions Pvt. Ltd., Shed No-01, Sr No-35/1, Opp. Jijai Hotel, Khedekar Ind. Estate, Narhe, Pune-411041, Maharashtra, India.

Particulars of sample tested

: Coper Bonded Earthing Electrode filled with Conductive Compound

: Pipe in Pipe

Description of the sample

: Refer Sheet 2 of 6

Serial Number

Type

Refer Sheet 2 of t

Number of samples tested

: One

Date (s) of Test (s)

: 16 June 2022

CPRI sample code no(s)

SCLMISC22S0598

Particulars of tests conducted

Short-time withstand current and peak withstand current

Test in accordance with Standard / specification

: Customer's instruction

Sampling plan

: Not applicable

Customer's requirement

: 30 kA rms for 1.0 s & 75 kA peak

Deviations if any

Name of the witnessing persons

Customer's representatives

Mr. Akash Uttam Pasalkar, Director.None

Other than customer's representatives

Test subcontracted with Address of the laboratory

None

Documents constituting this report (in words)

Number of Sheet(s)

: Six

Number of Oscillograms(s)

: One

Number of Graph(s)

Nil

Number of Photo(s)

Two

Number of Test Circuit Diagram(s)

One

Number of Drawing(s)

: One

(Sakthivel. P)

Test Engineer



(Swaraj Kumar Das)
Head of Division
Reviewed and Authorized by



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DESCRIPTION OF SAMPLE TESTED

(As assigned by the manufacturer)

Test sample

: Copper Bonded Earthing Electrode filled with Conductive Compound

Туре

: Pipe in Pipe

Size & length of earthing electrode

70mm (ID) dia with 3mm wall thickness (outer pipe), 35mm (ID) dia with 3mm wall thickness (inner pipe) &

2900 mm long

Short-time current withstand current &

peak withstand current

: 30 kA rms for 1.0 s & 75 kA peak



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SUMMARY OF TEST CONDUCTED

1 Tests conducted

: Short-time withstand current and peak withstand current

2 Rating for which tested

: 30 kA rms for 1.0 s & 75 kA peak

3 Schedule of tests

: Refer Sheet 5 of 6

4 Oscillogram Numbers

: CPRIBLRSCLMISC22T0631S002

5 Photograph Numbers

CPRIBLRSCLMISC22T0631P01 & CPRIBLRSCLMISC22T0631P02

6 Test Circuit Diagram Numbers

: CRTL/SC/STC-01A

7 Drawing Numbers

: Refer Sheet 4 of 6

8 Criteria for evaluation

: No visible damage to Earthing Electrode & Copper bonding

shall be intact



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LIST OF DRAWINGS

Drawing Numbers

The manufacturer has guaranteed that the sample submitted for the test(s) has been manufactured in accordance with the following drawing.

SI. No.	Drawing Number	Sheet Number	Revision Number
1	RV-2		

It is verified that this drawing adequately represent the sample tested. Verification of this drawing by CPRI is limited to dimensional check only wherever possible.

Test Engineer



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TEST RESULTS

SHORT-TIME WITHSTAND CURRENT AND PEAK WITHSTAND CURRENT (as per customer's instruction)

TEST CONDITIONS

Source

Number of phases

Frequency

Short-circuit generator

Single

50 Hz

Test sample

Condition of the sample

Mounting

Good; terminal of the earthing electrode connected to source

Horizontal, isolated from ground

Test details

Test circuit drawing number

Short-circuit applied

Short-circuit point

CRTL/SC/STC-01A

On the end of the earthing electrode

Grounded

Ambient Temperature: 27°C

Oscillogram Number	Current (kA)		Duration (s)	Observation
	Peak	Rms	Daration (o)	
CPRIBLRSCLMISC 22T0631S002	77.80	30.08	1.05	During test: No abnormality

Physical Inspection: No visible damage to earthing electrode, copper bonding intact.

Conclusion: The sample tested complies with the requirement of customer for the test conducted.

(Sakthivel. P)

Test Engineer



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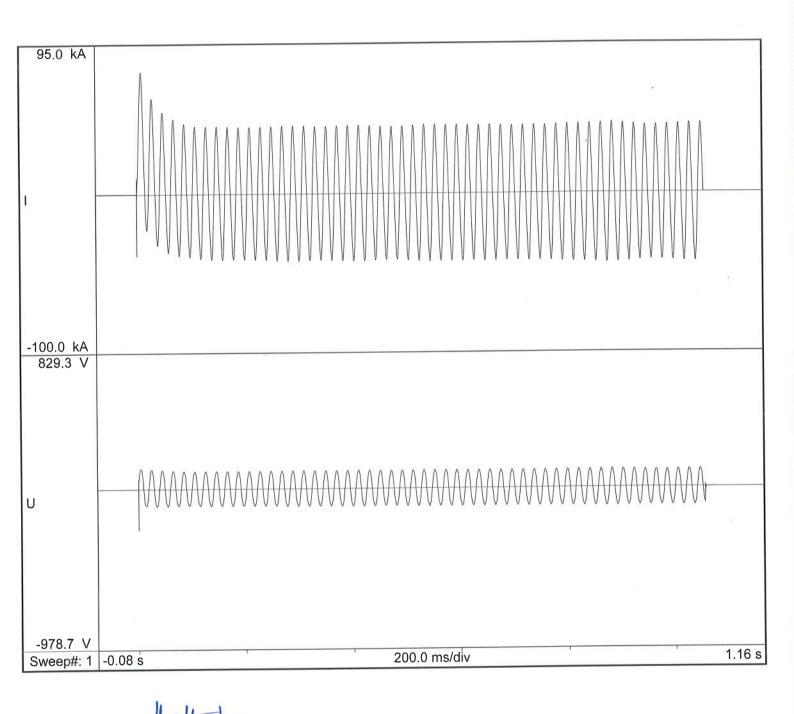
NOTE

- a) The Test results relate only to the item(s) tested.
- b) Publication or reproduction of this report in any form other than by complete set of the whole test report and in the language written is not permitted without the written consent of CPRI.
- c) Any Corrections / erasure invalidate the test report.
- d) Any anomaly / discrepancy in the test report should be brought to notice of CPRI within 45 days from the date of issue.
- e) All the documents consisting the test report are stitched together with a continuous silk thread, the two ends of which have been brought over the front sheet of the test report and seal with a CPRI logo printed paper sticker.

(Sakthivel. P)
Test Engineer

--End of Test Report -----





(P. Sakthivel)
Test Engineer

16-06-2022

CENTRAL POWER RESEARCH INSTITUTE

(Member of STL)

TEST REPORT





Mounting arrangement (Before test) CPRIBLRSCLMISC22T0631P01



TEST REPORT



Condition of the sample (After test)

CPRIBLRSCLMISC22T0631P02

