



MOSDORFER
CCL

Mosdorfer CCL Systems Ltd.
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England

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TYPE TESTS REPORT

N. A1-ATC201640-12 dated 12.09.2016 issued on dt. 06.12.2018

Object Aluminium two bolt cable cleats
Type: ATC
Size: 51-57 & 140-150

Documents International standard IEC 61914-1:2009
Cable cleats for electrical installations

Manufacturer A-1 Electricals
20 Alankar Chambers, Dhebar Chowk, Trikon Baug, Rajkot 360001, Gujarat, India

Place of tests : MOSDORFER CCL SYSTEMS - UK
CESI - ITALY (Short Circuit tests)
University of Rome

Date of tests : From 12/09/2016 to 06/12/2018

Tests Performed: Resistant to electromechanical forces, withstanding one short circuit

References A-1 Electricals test report A1-ATC201640-12 dt. 12.09.2016/UOREL-201640-12

Tests Result: Rated short time withstand current 63 kA
Rated duration of short circuit 1 sec

Specialist testers: -Ing. A. Haidar MOCCL

Witnessed by: Inspection service of High Voltage laboratory CESI - Italy

Documents: ATC drawing from A-1 Electricals. The manufacturer confirms that Aluminium cable cleats has been manufactured in compliance with the drawing given in the documents. Compliance details to the drawing has been verified.



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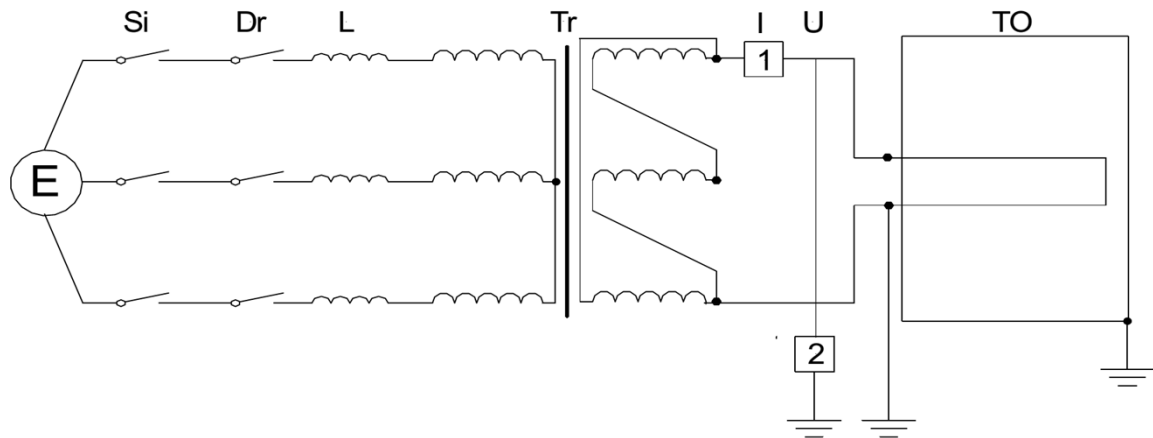
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Short-time withstand current test

Short-circuit current 63kA
Peak current 89.1kA
Duration of short circuit 1s

Testing and measuring circuits

Test requirements Resistant to electromechanical forces
Test object ATC type Al cable cleats
No. of Phases (Test Circuit) 3
No. of poles/phases (Test Object) 2
Power frequency Hz 50
Power factor Cos ϕ <0.15
Grid Unearthed
Short-circuit transformer Unearthed
Short-circuit point earthed



E Supply
Si Master Breaker
Dr Making switch
L Current limiting reactor
Tr Short circuit transformer

TO Test object
I Current measurement
U Voltage measurement
1 - 2 Measuring points

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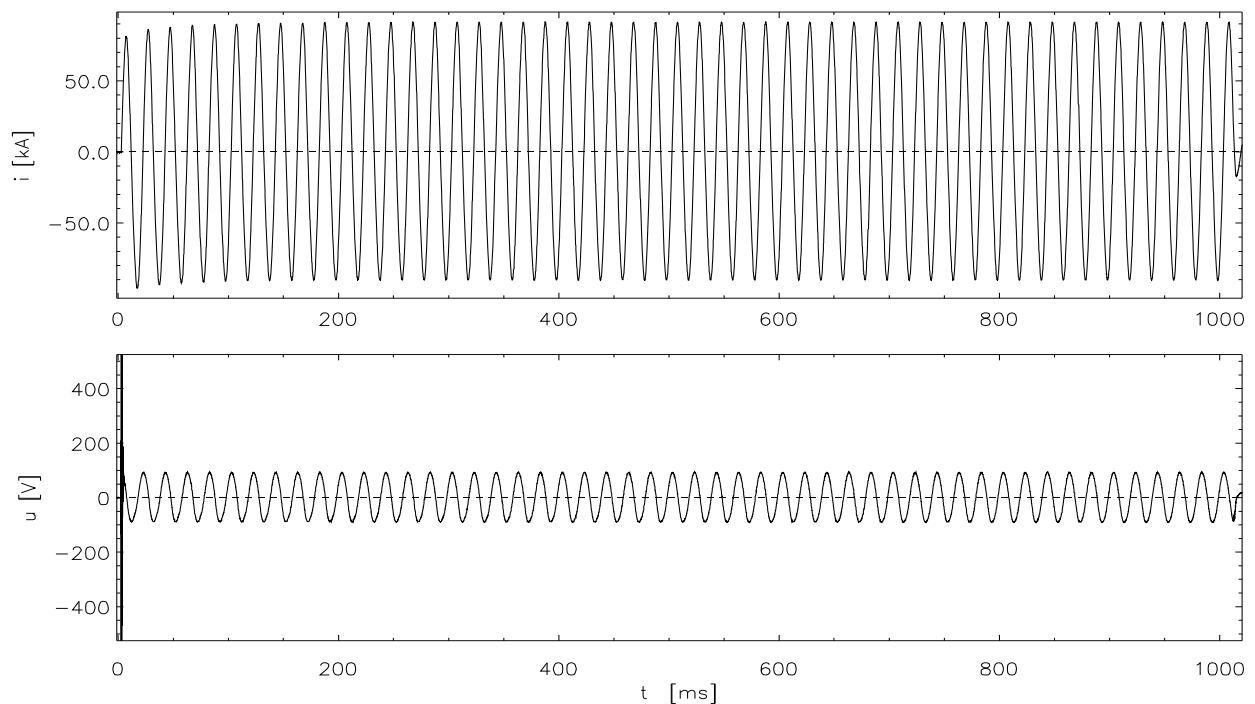
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Tests results :

Ambient temperature	6°C
Distance cleat to cleat (mm)	1000
Peak current (kA)	95.6
Short time current (kA)	64.1
Duration of short circuit (s)	1.02
Evaluation	OK

Notes: No visible damage or deformation on cleat

Oscillogram



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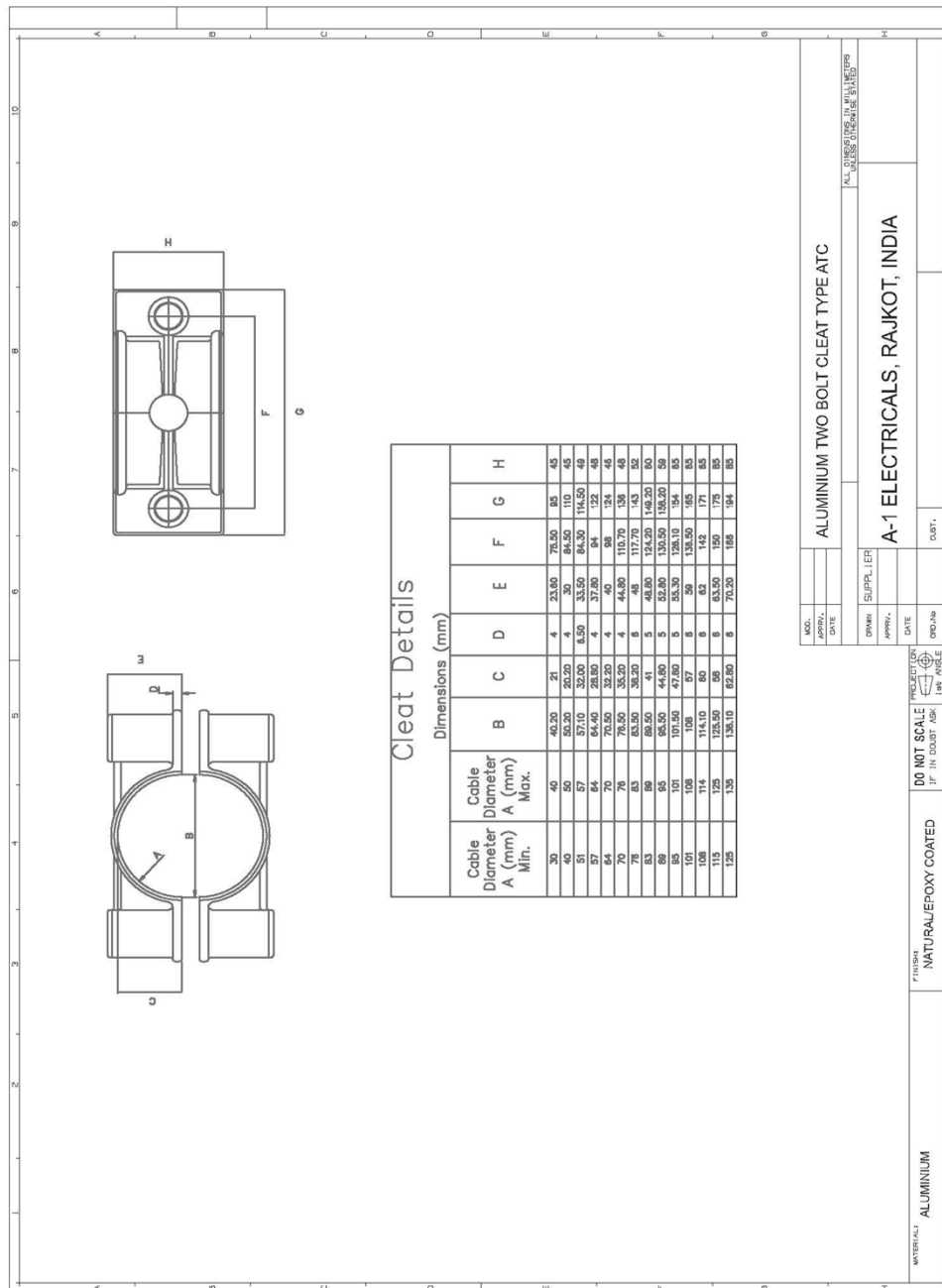


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Drawings :



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