UES PROMURA

Current product-code edition

Report: PDL-26.160.05

Product-family identifiers in the following report use the current CFFC and CFEC codes.

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The original report numbers, dates, test arrangements, measurements and recorded results are retained. Printed report page numbers remain unchanged; this cover adds one PDF page.

Original source copies are retained in the website source archive. Refer to the complete report and the tested arrangement when assessing a proposed installation.

UES Promura - product and technical enquiries

sales@uespromura.com.au | +61 3 9547 5833

www.uespromura.com.au | www.band-it-australia.com.au

TEST REPORT

PDL-26.160.05

DAMSTRALAB
ELECTRICAL POWER TESTING

Client:	Band-it IDEX
Order number:	EL7880
Date of tests:	10th and 11th of September 2026
Report code:	TR

Prof. Ir. Damstra Laboratory
P.O. Box 23, 7550 AA Hengelo
Europalaan 210, 7559 SC Hengelo
The Netherlands
+31 (0)74 - 246 43 51
info@damstra-lab.nl
www.damstra-lab.nl

Subject: Cable cleats for electrical installations.

Purpose: Test for resistance to electromechanical forces on cable cleats for electrical installations based on IEC 61914 ed. 3.0 2021-10, clause 9.5.2 and 9.5.3.

Object: Cable cleats for electrical installations.
Manufacturer: Band-it IDEX
Type: CFEC-F1030M*** / CFEC-F1030M***

Conclusion: The test results of the performed test are stated in the table with test results and are shown in the pictures of the tests for resistance to electromechanical forces.

Author: B. Stange
Test Engineer

Checked by: R. Wanschers
Test Coordinator

This report consists of: 11 pages

P.A.H. van Gestel BSc
Manager Prof. Ir. Damstra Laboratory

Hengelo, 21-09-2026

The test results concern only the investigated test objects.

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Client:	Band-it IDEX	
Address:	4799 Dahlia street CO 80216 Denver United States	
Test location:	Prof. Ir. Damstra Laboratory Hengelo, The Netherlands	
Tested by:	B. Stange	Prof. Ir. Damstra Laboratory
Observed by:	P. Moreno M. Dietsche S. Galante	Band-it IDEX Band-it IDEX Band-it IDEX

TABLE OF CONTENTS

1 Object identification 3
1.1 Technical data and characteristics 3
2 Test program 4
2.1 Normative document 4
3 Test results 4
Appendix A Short-circuit tests 5
A.1 Tables with test results 5
A.2 Test circuit diagram 6
A.3 Pictures of short-circuit tests 7
A.4 Oscillograms 8
Appendix B Decision rule, measurement uncertainty and used equipment 11

DOCUMENT CONTROL

Revision	Amendment	By	Date
PDL-26.160.05	Creation	B.S.	18-09-2026

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1 Object identification





Photo 1 and 2 Cable cleats for electrical installations
Manufacturer: Band-it IDEX
Test rig number: 4

1.1 Technical data and characteristics

The technical data and characteristics of the test object are defined by the following parameters as specified by the manufacturer

Test object	Cable cleats for electrical installations
Type	CFEC-F1030M*** / CFEC-F1030M***
Manufacturer	Band-it IDEX
Year of manufacture	2026

Rated characteristics of system

Rated peak withstand current, I_{pk}	Several peak currents

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2 Test program

Test rig number	Cleat type	Centers between fixed cleats [mm]	Cable formation	Type of cable	Target peak current [kA]	Duration [ms]
4	CFEC-F1030M*** (double wrapped, uncoated with rubber channel)	300	Trefoil	Class 5	105	100
11	CFEC-F1030M*** (double wrapped, uncoated with rubber channel)	600				
Remarks:						

Table 1

2.1 Normative document

IEC 61914:2021 Cable cleats for electrical installations

3 Test results

Test rig number	Cleat type	Peak current [kA]	Centres between fixed cleats [mm]	Duration [ms]	Clause	Osc.	Verdict
4	CFEC-F1030M*** (double wrapped, uncoated with rubber channel)	107 72,0 96,0	300	124	9.5.2	16	Pass
11	CFEC-F1030M*** (double wrapped, uncoated with rubber channel)	99,8 68,4 90,5	600	124	9.5.2	36	
		99,8 67,4 90,5		124	9.5.3	37[1)]	
Remark: 1). Dielectric properties after Osc.6 at 1000Va.c. for 60sec: OK							

Table 2

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Appendix A Short-circuit tests

A.1 Tables with test results

DAMSTRALAB ELECTRICAL POWER TESTING	TABLE WITH TEST RESULTS Short-circuit withstand tests PDL-26.160.05	Date: 10/11-09-2026	Sheet: SC1

Object: Cable cleats for electrical installations
Manufacturer: Band-it

Test and Osc no	Current				Test voltage	Remarks
	peak [A]	rms [A]	duration [ms]	Energy [I²t]	[V]	
Test rig number: 4 Cleat type: CFEC-F1030M*** / CFEC-F1030M*** (double wrapped, uncoated with rubber channel) Cable configuration: Trefoil Cable type: Class 5 Cleat spacing: 300 mm						
16	107 72,0 96,0	46,7 46,5 47,2	124	-	599	Clause 9.5.2 passed
Test rig number: 11 Cleat type: CFEC-F1030M*** / CFEC-F1030M*** (double wrapped, uncoated with rubber channel) Cable configuration: Trefoil Cable type: Class 5 Cleat spacing: 600 mm						
36	99,8 68,4 90,5	43,9 43,8 44,4	124	-	579	Clause 9.5.2 passed
37	99,8 67,4 90,5	44,0 43,8 44,4	124	-	582	Clause 9.5.3 passed

Phase values are to be read: L1(R) Supply → L1(R) object
L2(S) Supply → L2(S) object
L3(T) Supply → L3(T) object

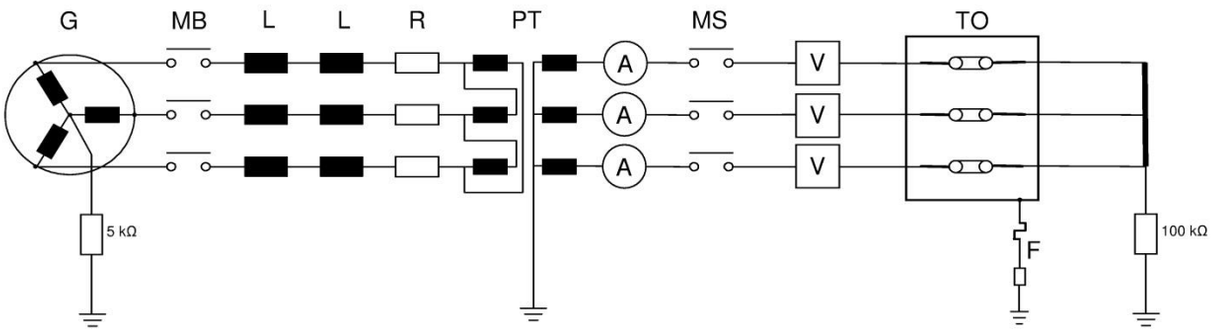
Dielectric properties after Osc.37 at 1000Va.c. for 60sec: OK

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A.2 Test circuit diagram

DAMSTRALAB ELECTRICAL POWER TESTING	**TEST CIRCUIT DIAGRAMS** Short-circuit laboratory	Test report: PDL-26.160.05

Three phase circuit



G : Generator
MB : Master Breaker
L : Reactor
R : Resistance
PT : Power Transformer
MS : Making Switch
TO : Test Object
V : Voltage Measurement between phases
A : Current Measurement
F : Fusible element, with current limiting resistance (not attached during earth fault testing)

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A.3 Pictures of short-circuit tests

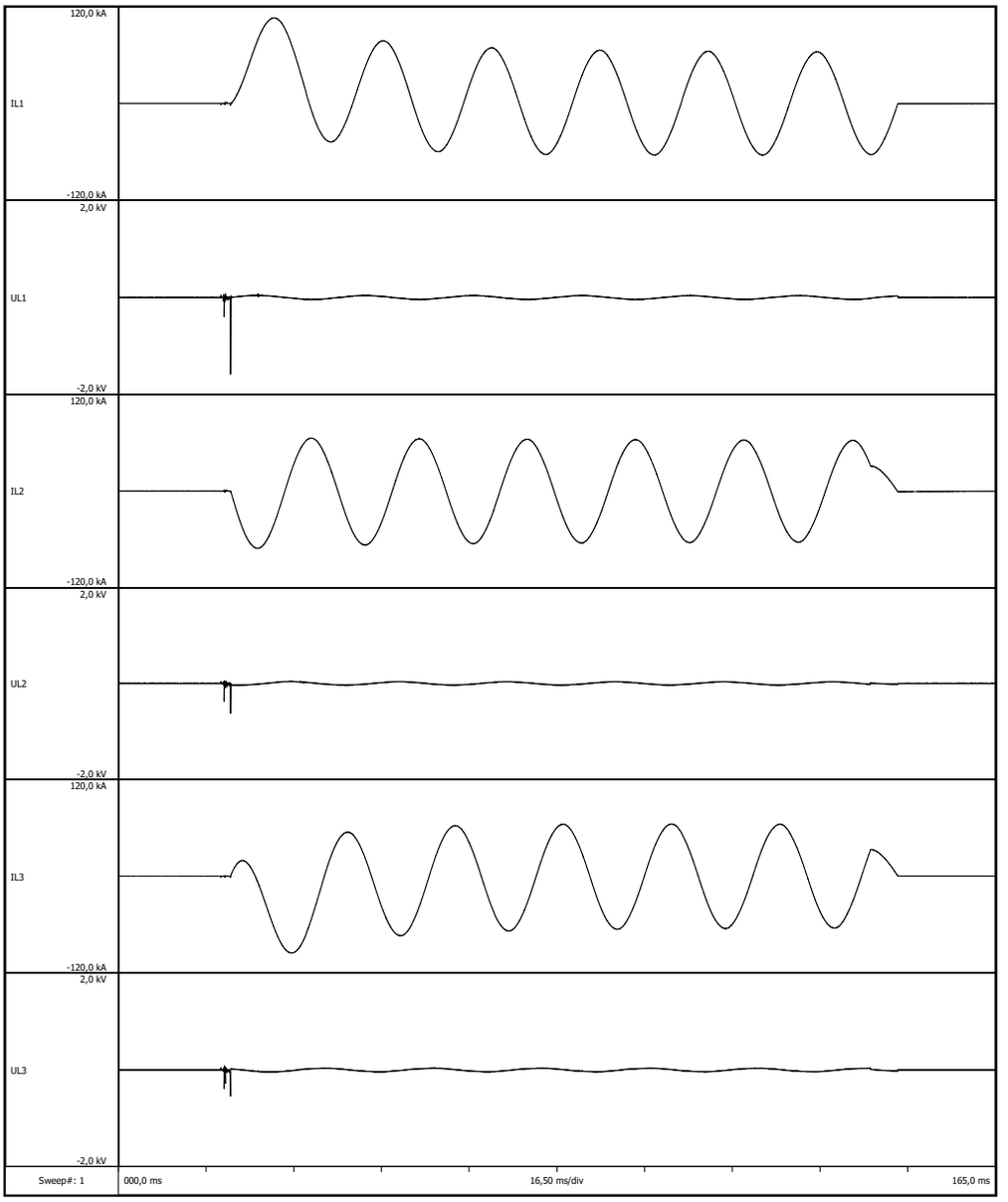


Photo 3: After Osc.37

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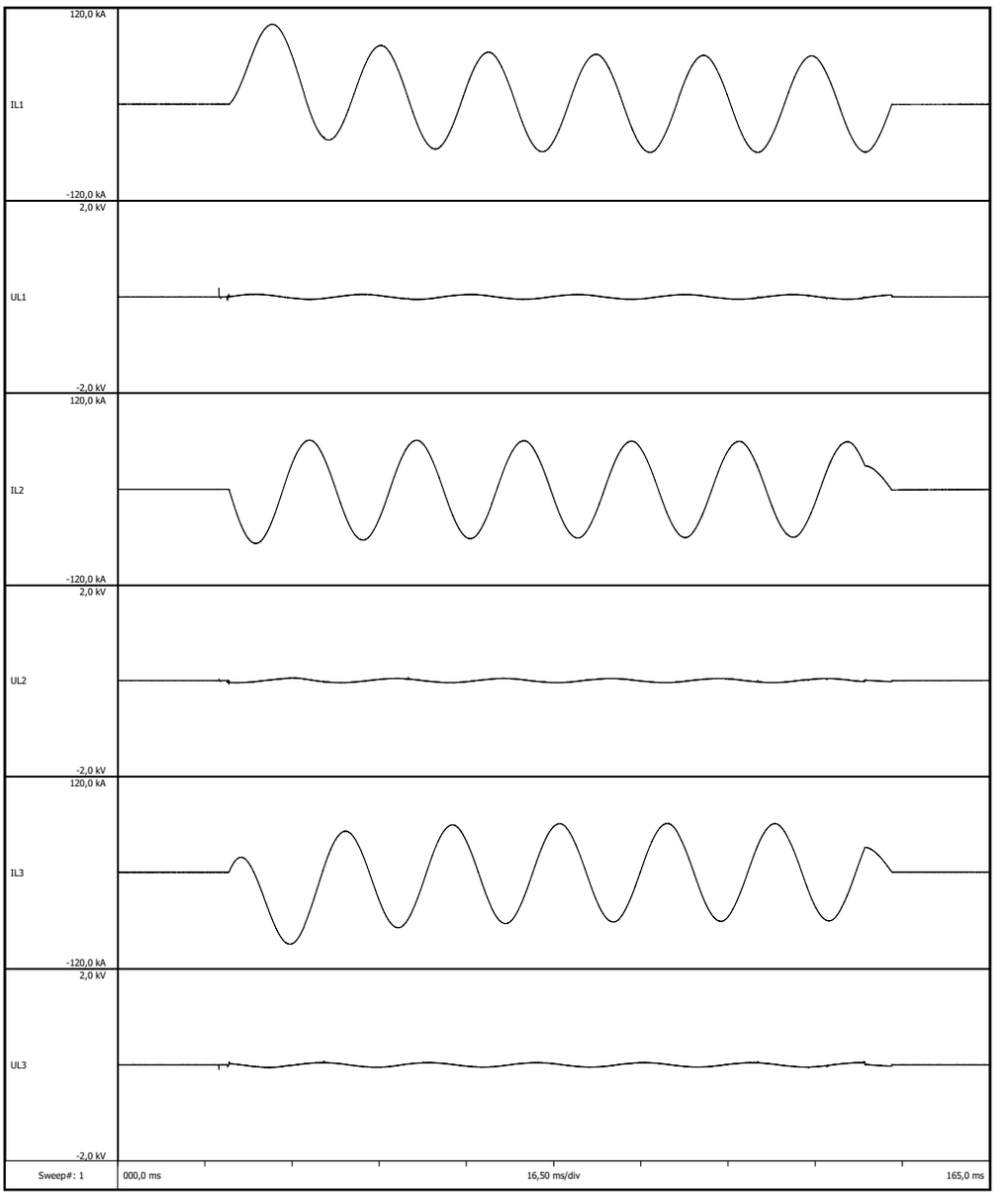
A.4 Oscillograms

PDL-26.160 Osc016 10-9-2026



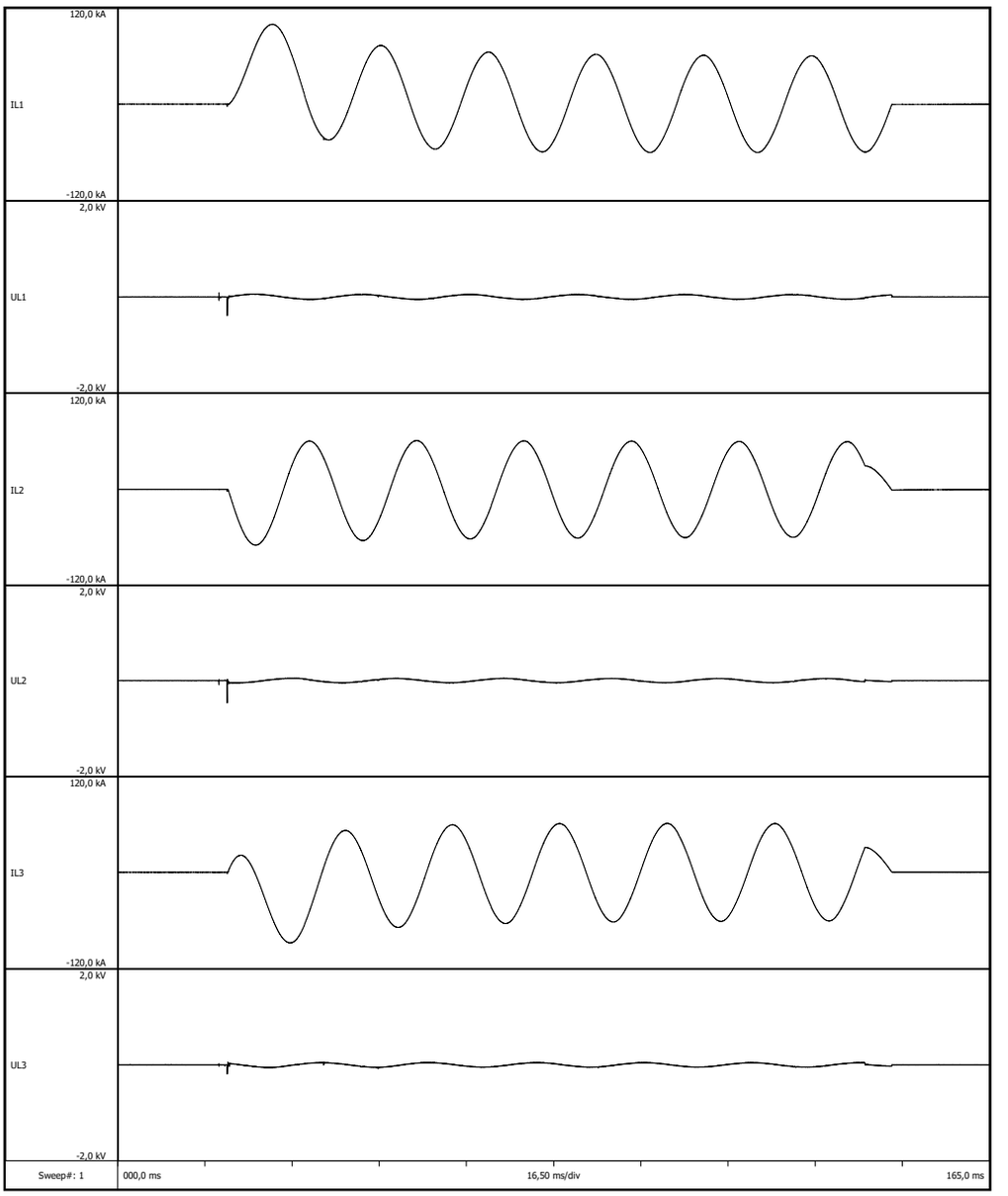
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Appendix B Decision rule, measurement uncertainty and used equipment

- The decision rule for the statement of conformity is based on “Simple Acceptance” in accordance with IEC Guide 115:2023. This implies that the measurement uncertainty is not considered for the statement of conformity. Unless otherwise required by the standard or requested by the client on the front page of this Test report.

- The measurement uncertainty is available on request.

- The used measurement equipment is calibrated by an ISO/IEC 17025 accredited calibration laboratory and traceable to national and international standards. Information of the used measurement equipment is available on request.

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