

Client: Band-it IDEX
Order number: EL7849
Date of tests: 29th of May 2026
Report code: TR

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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: LFFC-F1015M***-A900 / CFFC-F1015M***-A900
Configuration: 7.1

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

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Checked by: R. Wanschers
Test Coordinator



This report consists of: 11
pages

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Hengelo, 01-07-2026

The test results concern only the investigated test objects.



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Client:

Address:

Test location:

Tested by:

Observed by:

Band-it IDEX

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Band-it IDEX
Band-it IDEX
IDEX China

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DOCUMENT CONTROL

Revision	Amendment	By	Date
PDL-26.102.03	Creation	B.S.	17-06-2026

1 **Object identification**



Photo 1 and 2 Cable cleats for electrical installations
 Manufacturer: Band-it IDEX
 Configuration: 7.1

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 cleat for electrical installations	
Type	LFFC-F1015M***-A900 / CFFC-F1015M***-A900	
Manufacturer	Band-it IDEX	
Year of manufacture	2026	
Rated characteristics of system		
Rated peak withstand current, I_{pk}	Several peak currents	

2 **Test program**

Configuration	Cleat type	Centers between fixed cleats [mm]	Cable formation	Type of cable	Target peak current [kA]	Duration [ms]
7.1	LFFC- F1015M***- A900 / CFFC- F1015M***-	600	Trefoil	Class 5	60,0	100
Remarks:						

Table 1

2.1 **Normative document**

IEC 61914:2021

Cable cleats for electrical installations

3 **Test results**

Configuration	Cleat type	Peak current [kA]	Centres between fixed cleats [mm]	Duration [ms]	Clause	Osc.	Verdict
7.1	LFFC- F1015M***- A900 / CFFC- F1015M***- A900	60,3 43,9 56,7	600	118	9.5.2	13	Pass
		60,3 43,8 56,3		125	9.5.3	14	
Remarks:							

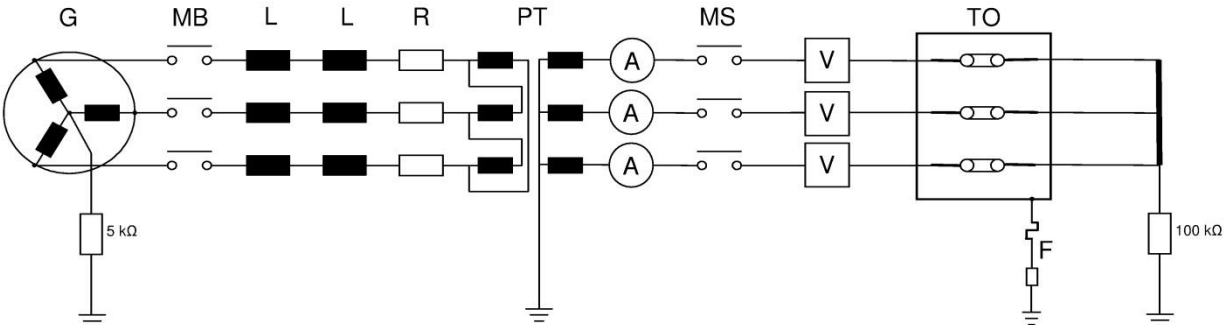
Table 2

Appendix A Tests for the resistance to electromechanical forces

A.1 Tables with test results

		TABLE WITH TEST RESULTS Short-circuit withstand tests				Date: 29-05-2026	Sheet: SC1
		PDL-26.102.03					
Object: Cable cleats for electrical installations Manufacturer: Band-it							
Test and Osc no	Current				Test voltage	Remarks	
	peak	rms	duration	Energy			
	[A]	[A]	[ms]	[I²t]	[V]		
Configuration 7.1 Cleat type: LFFC-F1015M***-A900 / CFFC-F1015M***-A900 Cable type: Class 5 Cleat spacing: 600 mm							
12	31,3 23,2 28,6	15,7 15,7 15,9	115	-	139		
13	60,3 43,9 56,7	30,2 30,3 30,4	118	-	271	9.5.2 Pass No visible disturbance.	
14	60,3 43,8 56,3	30,0 30,2 30,3	125	-	273	9.5.3 Pass Water test at 1000 Vac: Pass No visible disturbance.	
Phase values are to be read: L1(R) Supply → L1(R) object L2(S) Supply → L2(S) object L3(T) Supply → L3(T) object							

A.2 Test circuit diagram

	TEST CIRCUIT DIAGRAMS Short-circuit laboratory	Test report: PDL-26.102.03
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)		

A.3 Pictures of the tests for resistance to electromechanical forces

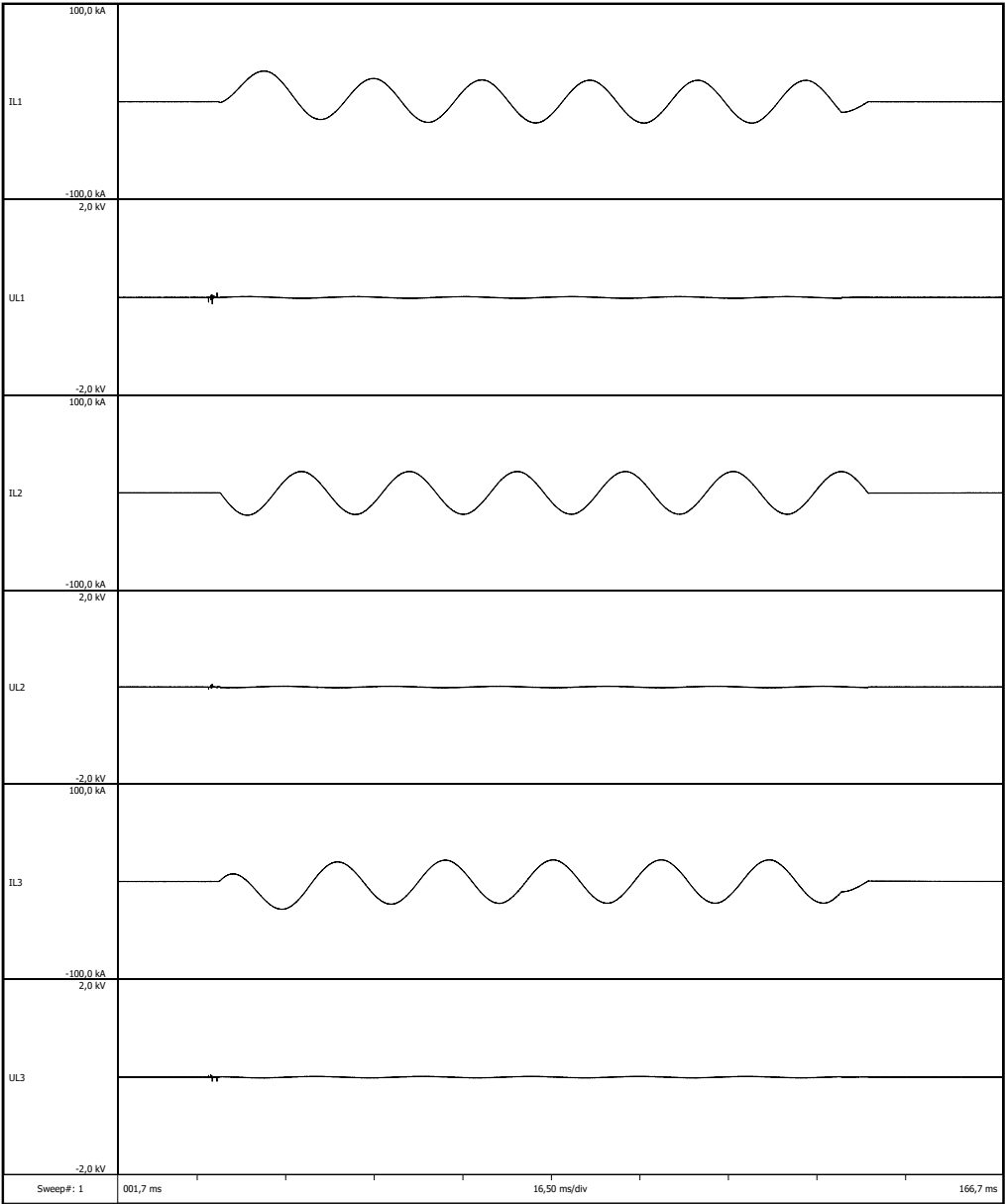
	
Photo 3: Before Osc.12	Photo 4: Before Osc.12
	
Photo 5: After Osc.13	Photo 6: After Osc.14

A.4 Oscillograms

PDL-26.102

Osc012

29-5-2026

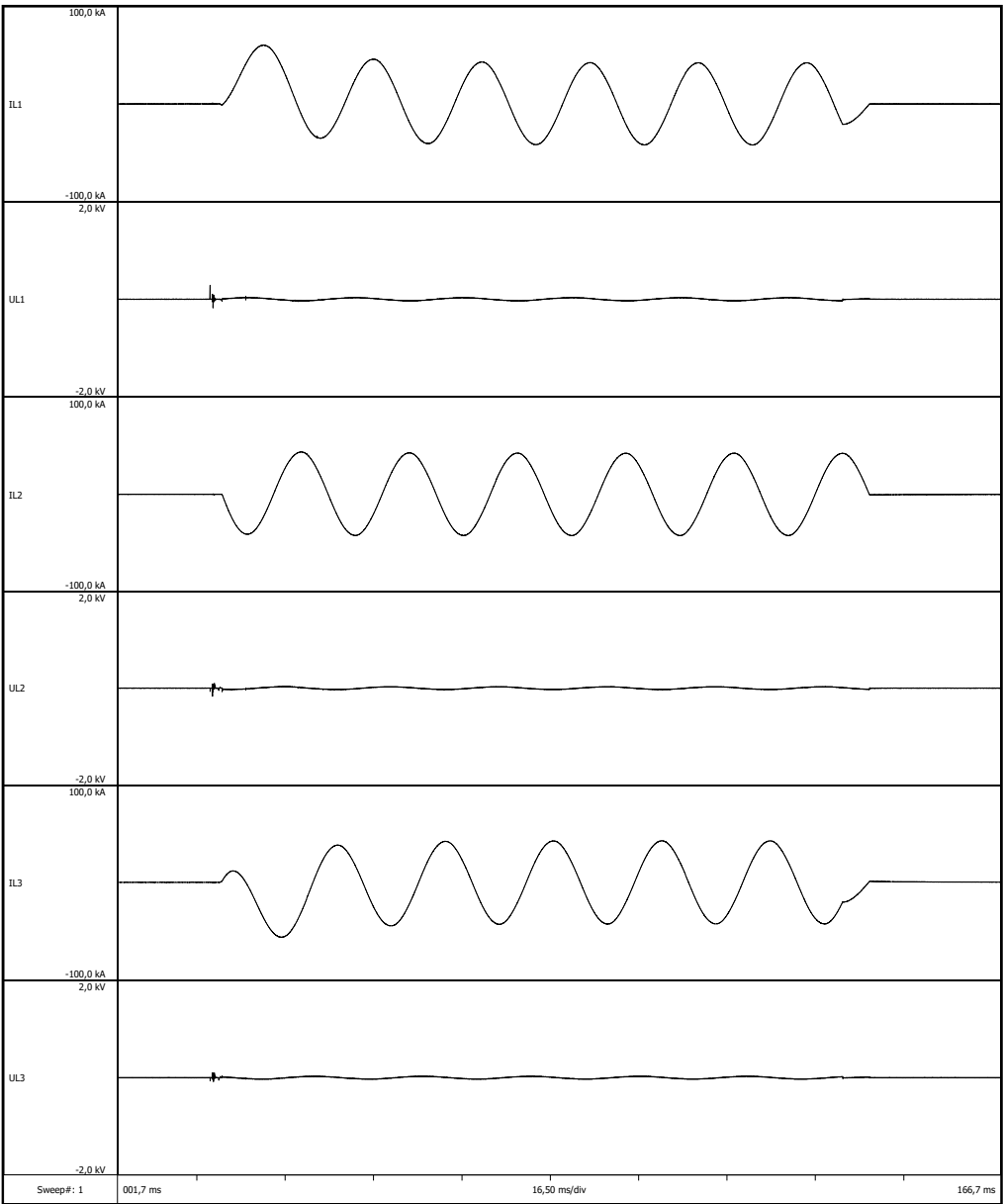


PDLF-90810A_V3.0

PDL-26.102

Osc013

29-5-2026

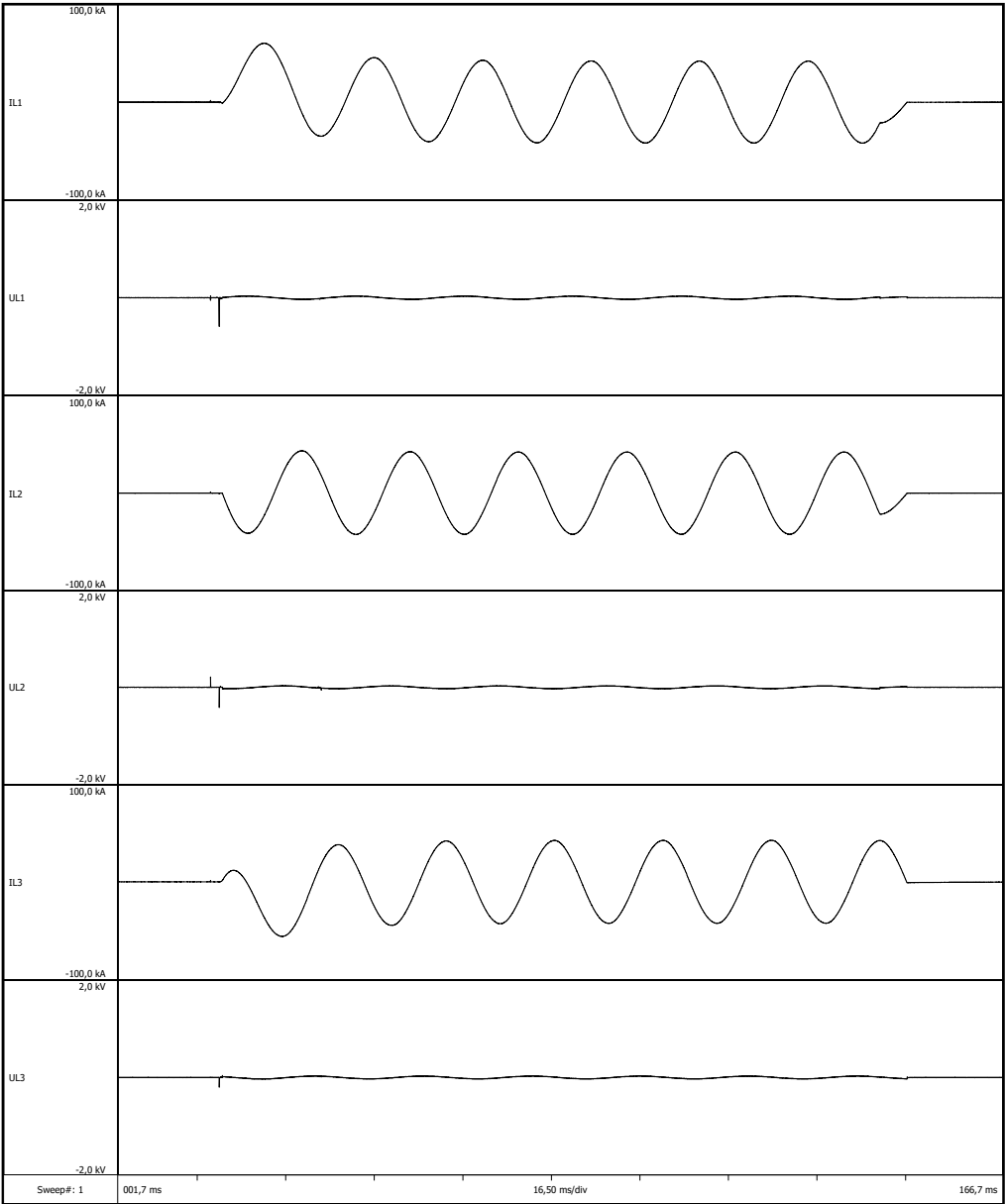


PDLF-90810A_V3.0

PDL-26.102

Osc014

29-5-2026



PDLF-90810A_V3.0

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.