



LABORATORY  
REG. No. 114

# Parkside Laboratories (Aust)

TEST AND CERTIFICATION SERVICES

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## Laboratory Test Report

Report No.: 1272/1

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Date Issued: 12 December 2003

**SUBJECT:** Cubic switchboard assembly "Cubic Test Panel 2" with various module types, sizes and protecting devices. For details of module types, sizes and protecting devices refer herein. 415V 50Hz.

**REQUESTED BY:** CUBIC Modulsystem A/S  
SKJOLDBORGS GADE 21,  
DK700 BROENDERSLEV,  
DENMARK

**INSTRUCTIONS:** Standard internal arcing-fault tests with the prospective short-circuit current of 63kA to APPENDIX "ZD" of AS 3439.1-2002  
"Low-voltage switchgear and controlgear assemblies  
Part 1. Type-tested and partially type-tested assemblies"

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**SUMMARY:** The tested modules with associated protecting devices passed the appropriate tests described herein.

NATA APPROVED SIGNATORY: Antony K. Milovac

PREPARED BY: Steve Kon  
Test Engineer

## GENERAL

- a As detailed in this report, six modules specified in DESCRIPTION were tested.
- b The results detailed in this report were based on the sample submitted by the manufacturer with order No. 150356.
- c The test samples were subjected to the relevant clauses as stated herein.
- d Power supplies used were mains derived a.c. voltage sources of substantially sinusoidal waveform with a nominal frequency of 50Hz unless otherwise noted.
- e Dates of high current tests are shown on oscillograms.
- f Note: N/R means Not Relevant, N/T means Not Tested, DNC means Did Not Comply, T.O. means Test Object.

## WITNESSES:

Lars Poulson	CUBIC
Jorn Jacobsen	CUBIC
Bill Mairs	NHP
Stephen Barker	NHP

## TEST SPECIFICATION

AS/NZS 3439.1:2002

Low-voltage switchgear and controlgear assemblies –  
Part 1: Type-tested and partially type-tested assemblies

## DATE OF TEST

The testing was performed from 27<sup>th</sup> to 30<sup>th</sup> October 2003.