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Certificate

of Selected Type Tests
Internal Arc Classification

Number 103203

Apparatus	12 kV, 50 Hz, three-phase, air insulated, metal-enclosed switchgear and controlgear assembly incorporating an MVX Soft Starter, a line vacuum circuit-breaker / contactor, a bypass vacuum circuit-breaker / contactor and an earthing busbar. The assembly is suitable for indoor installation.
Designation	AuCom L series panel – MVX Soft Starter Panel (SSP)
Manufacturer	AuCom Electronics Limited 123 Wrights Rd, Middleton 8024, New Zealand
Client	AuCom Electronics Limited 123 Wrights Rd, Middleton 8024, New Zealand
Dates of Tests	28 February to 13 May 2013

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to a series of proving tests in accordance with:

IEC 62271-200 Edition 2.0 2011 Clause 6.106 and Annex AA and
AS 62271-200 : 2005, Clause 6.106 and Annex A

The results are shown in the Test Record and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard and to justify the rating assigned by the manufacturer as stated below.

Internal Arc Classification IAC	: AFLR
Internal Arc	: 31.5 kA rms for 1 s, 78.8 kA peak
Accessibility Type A	: Restricted to authorized personnel only

The rear cable compartment containing MVX soft start cassette
The VCB compartment
The main horizontal busbar compartment

The Test Record applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the manufacturer. Only reproduction of this entire document or reproduction of this page accompanied by the pages on which are stated the assigned rated characteristics of the apparatus tested are permitted without written permission from Ausgrid Testing & Certification, 18 Mars Road, Lane Cove West, NSW, 2066, Australia.
Telephone 61 (0)2 9424 3600, Facsimile 61 (0)2 9428 2645.

This Certificate comprises 16 pages, 2 diagrams, 8 oscillograms, 43 photographs and 13 drawings

M. A. Carstedt
NATA Signatory

Manager - Lane Cove Testing Station

10/7/2013

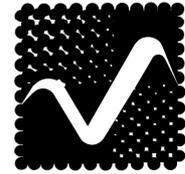
Date of Issue



Accredited for compliance with ISO / IEC 17025.
Accreditation Number 62. The results of the tests, calibrations and or measurements included in this document are traceable to Australian / national standards

Test Record

Laboratory Reference No: 103203



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APPARATUS TESTED

12 kV, 50 Hz, three-phase, air insulated, metal-enclosed switchgear and controlgear assembly incorporating an MVX Soft Starter, a line vacuum circuit-breaker / contactor, a bypass vacuum circuit-breaker / contactor and an earthing busbar.

The assembly is suitable for indoor installation.

Incoming panel	AuCom L Series MVX Soft Starter panel (SSP) fitted with a vertical busbar system.
Outgoing panel	AuCom L Series MVX SSP comprising : Tavrida Electric vacuum circuit breaker / contactor (feeder protection) Tavrida Electric vacuum circuit breaker / contactor (solid state bypass) AuCom MVX IP00 Solid State Soft Starter Unit Tavrida Electric earthing switch
Arc Fault Venting Duct	AuCom L Series Arc Fault Duct (AFD)

The Client declared the following ratings for the equipment tested :

Rated Voltage	: 12 kV
Rated normal current	: 2500 / 1250 A
Rated frequency	: 50 / 60 Hz

The Client designated the equipment as
AuCom L series panel – MVX Soft Starter Panel (SSP)

Note : Additional short-time current withstand tests on main phase busbars and main earth busbar are included in this document at the Client's request.

Additional tests performed on the equipment include the following :

Short-time current (I_k) and peak withstand (I_p) Main vertical and horizontal busbars	31.5 kA rms for 4s, 78.8 kA peak
Short-time current (I_{ke}) and peak withstand (I_{pe}) Earthing circuit	31.5 kA rms for 4s, 78.8 kA peak

M. A. Carstedt
NATA Signatory