

ASTA CERTIFICATE

Laboratory Ref. No. 102001

CERTIFICATE OF SHORT-CIRCUIT RATING

APPARATUS: A range of unenclosed three-pole, 500 V/1000 V (U_e/U_i), 400 A to 1600 A (I_{th}), 50 Hz, Category B, withdrawable air circuit-breakers comprising AE1000-SW, AE1250-SW and AE1600-SW of the same frame size fitted with an electronic over-current relay Type WS-1.

DESIGNATION: AE1000-SW, AE1250-SW and AE1600-SW Air Circuit Breakers

MANUFACTURER: Mitsubishi Electric Corporation
Fukuyama Works, 1-8 Midori - Machi Fukuyama - City
Hiroshima - Pref. 720 8647 Japan

TESTED BY: Testing & Certification Australia
18 Mars Road Lane Cove NSW 2066 Australia

DATE(S) OF TESTS: 27 May to 6 June 2005

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

IEC Publication 60947-2 : 2003 Edition 3.0, BSEN 60947-2 : 2003 and
AS 60947.2-2005, Clause 8.3.8.

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below.

Combined test sequence : $I_{CW} = I_{CS} = I_{CU}$

Rated short-time withstand current : I_{CW}

65 kA rms for 1 s, 143 kA peak

Rated service and rated ultimate short-circuit breaking capacity : I_{CS} and I_{CU}

65 kA at 500 V, 0.20 lagging power factor

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 28 pages, 2 diagrams, 25 oscillograms, 15 photographs, 24 drawings and no other sheets, as detailed on page 1.

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the assigned rated characteristics of the apparatus tested, are permitted without written permission from ASTA BEAB Certification Services, Hilton House, Corporation Street, Rugby, CV21 2DN United Kingdom. (see overleaf)



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J. Child J. Child
ASTA Observer

C. Mick-Jones DIRECTOR

24th October 2005 Date