

ASTA CERTIFICATION SERVICES

(Incorporated in the year 1938)

ASTA House, Chestnut Field, Rugby, CV21 2TL, England

Laboratory Ref. No. 101962AC

CERTIFICATE OF SHORT-CIRCUIT RATING

APPARATUS: 250A/250A/200A (I_n/I_{th}/I_{thc}) three-pole 415V/690V/6kV (U_e/U_i/U_{imp}), 50/60 Hz, category A, moulded case circuit-breaker (MCCB).
The MCCB was fitted with non-adjustable instantaneous magnetic and non-adjustable thermal inverse time delay over-current releases.
The LINE and LOAD terminals were unmarked. The MCCB was tested in an enclosure.

DESIGNATION: Mitsubishi No-Fuse Breaker NF250-HW 3P 250 A

MANUFACTURER: Mitsubishi Electric Corporation
Fukuyama Works, 1-8 Midorimachi
Fukuyama Hiroshima 720 8647 Japan

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

DATE(S) OF TESTS: 3 to 19 February 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 and BSEN 60947-2 : 2003 Clauses 8.3.4 and 8.3.5

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.

Test Sequence III - Clause 8.3.5

Rated Ultimate Short-circuit Breaking Capacity (I_{cu}) : 50 kA at 415 V, pf = 0.25 Lag

Test Sequence II - Clause 8.3.4

Rated Service Short-circuit Breaking Capacity (I_{cs}) : 25 kA at 415 V, pf = 0.25 Lag
(I_{cs} = 50% I_{cu})

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 26 pages, 2 diagrams, 24 oscillograms, 20 photographs, 14 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 Certification Services, ASTA House, Chestnut Field, Rugby, CV21 2TL



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M. E. Andrews M. E. Andrews
ASTA Observer

C. Nichol-Evans DIRECTOR

19th September 2005 Date