(A Company Limited by Guarantee, Registered at London, Number 347058)

Registered office: Prudential Chambers, 23/24 Market Place, Rugby CV21 3DU. England

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Director: Michael J. Swan, Dip,E.E., C.Eng., F.I.E.E., F.I.Q.A.

GEC ALSTHOM Low Voltage Equipment Ltd.,

East Lancashire Road.

Liverpool LID 5HB

File Ref. AST/68/3/138

Authorisation Ref. A3131 Attention of Mr. J. Zugaj

Date 1st June 1993

Dear Sirse

SE THE ASTA CERT ENDORSEMENT

Authority is hereby given for the fuse-link types and ratings identified below to be endorsed ASTA @ CERT or ASTA @ CERTIFIED.

Details of Reference Fuse-Links

BS88:Part 2:Section 2.1 and 2.2:1988 British Standard No.

(IEC269-2:1986 & IEC269-2-1:Section II:1987)

Manufacturers Type Designation

& BS Ref / Size / Types

TIN Ref. Al

550V ac.

Voltage Rating

Breaking Capacity

80kA

Current Ratings

16A and 20A

ASTA Certificate Notsi.

12000 (Short-Circuit)

Approved Variants

Details of any approved variants are shown on attachments to this letter.

This letter of authorisation is not valid until a signed acknowledgement of receipt has been received by ASTA. The signing of this letter by a manufacturer means ipso facto that the manufacturer agrees to recognise and to observe the requirements of the current issue of ASTA Publication No. 20.

Yours Faithfully, for ASTA

Acknowledgement of receipt is hereby given

for GEC ALSTHOM LVEL Company

17/6-1973 Date

ASTA CERTIFICATION SERVICES

(Incorporated in the year 1938)

23/24 Market Place, Rugby, CV21 3DU, England

Laboratory Ref. No. BUC: BTG: F170/C7

CERTIFICATE OF SHORT-CIRCUIT RATING

APPARATUS:

General purpose, non-indicating tag type cartridge fuse-li

of 16A* and 20A* normal current rating.

DESIGNATION:

NIT16 and NIT20

MANUFACTURER:

GEC-Alsthom Low Voltage Equipment Ltd, East Lancs Road, Liver,

TESTED BY:

Fluvent Technical Services, Mosley Road, Trafford Park, Manch

Fluvent Technical Services, East Lancs Road, Liverpool.

DATE(S) OF TESTS:

March to October 1992.

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 BSB8 Parts 1 and 2 Section 2.1 and 2.2: 1988 (IEC269-1, IEC269-2: 1986 and

IEC269-2-1 Section II: 1987) clause 8.5.

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.

Rated Breaking Capacity

BOKA for a voltage rat:

of 550V 50Hz a.c.

Breaking Range and Utilization Category

аG

The record of Proving Tests apply 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

12 pages,

2 diagrams.

38 oscillograms,

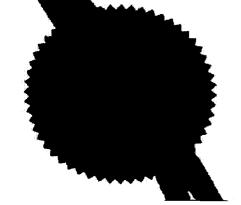
1 photographs,

1 drawings and

other sheets as detailed on page 1

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any pagets) on phich are stated the assigned rated characteristics of the apparatus tested, are permitted without written

(mission from ASTA, 23/24 Market Place, Rugby CV21 3DU England. (see overleaf).



By Rusle ASTA Observer

Brus Director

8th HARCH 1993 Date

^{*}The above fuse-links represent the maximum and minimum ratings of a homogeneous series. No intermediate ratings were submitted.