

ASTA CERTIFICATION SERVICES

(A Company Limited by Guarantee, Registered at London, Number 347056)

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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.
L10 5HB.

File Ref. AST/68/3/140

Authorisation Ref. A3133

Date 1st June 1993

Attention of Mr. J. Zugaj

Dear Sirs,

AUTHORISATION TO USE 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

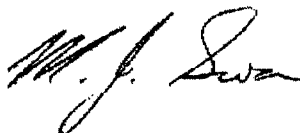
British Standard No.	BS88:Part 2:Sections 2.1 and 2.2:1988 (IEC269-2:1986 & IEC269-2-1:Section II:1987)	
Manufacturers Type Designation & BS Ref / Size / Types	TIA	Ref. A2
Voltage Rating	660V ac	
Breaking Capacity	80kA	
Current Ratings	2A, 4A, 6A, 10A	
ASTA Certificate No(s).	12002 (Short-Circuit)	

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



Signed

for GEC ALSTHOM LVEL Company

17/6-1993

Date

ASTA CERTIFICATION SERVICES

(Incorporated in the year 1938)

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

Laboratory Ref. No. BUB.....

CERTIFICATE OF SHORT-CIRCUIT RATING

APPARATUS: General purpose, non-indicating tag type cartridge fuse-links of 2A, 4A* and 10A* normal current rating.

DESIGNATION: TIA2, TIA4 & TIA10

MANUFACTURER: GEC Alsthom Low Voltage Equipment Ltd, East Lancs Road, Liverpool.

TESTED BY: Fluvent Technical Services, Trafford Park, Manchester.

DATE(S) OF TESTS: January to June 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

BS88 Parts 1 & 2: Section 2.1 & 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	-	80kA for a voltage rating of 660V a.c. 50Hz.
Breaking Range & Utilization Category	-	gG

*The above fuse-links represent the maximum and minimum ratings of a homogeneous series. Fuse-links having intermediate rating of 6A have been examined and comply with clause 8.1.5.2. as part of this series.

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 14 pages, 1 diagrams, 42 oscillograms, 1 photographs, 2 drawings and - other sheets as detailed on page

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

G. V. Rudel ASTA Observer
M. J. Swan Director
 4th MARCH 1993 Date