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Company Name	Category Name	Link to File
CAE ENGINEERING PTE LTD	Industrial Control Panels	<a href="#">NITW.E486364</a>
CAE ENGINEERING PTE LTD	Industrial Control Panels Certified for Canada	<a href="#">NITW7.E486364</a>
CAE GROUPE	Appliance Wiring Material - Component	<a href="#">AVLV2.E340932</a>
CAE GROUPE	Power-limited Circuit Cable	<a href="#">QPTZ.E344226</a>
KENALL MFG CO INC	Emergency Lighting and Power Equipment	<a href="#">FTBR.E95194</a>
TESTFORCE SYSTEMS INC	Information Technology Equipment Including Electrical Business Equipment	<a href="#">NWGQ.E313286</a>
TESTFORCE SYSTEMS INC	Information Technology Equipment Including Electrical Business Equipment Certified for Canada	<a href="#">NWGQ7.E313286</a>

Model number information is not published for all product categories. If you require information about a specific model number, please contact [Customer Service](#) for further assistance.

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Industrial Control Panels**[Page Bottom](#)

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**Industrial Control Panels**[See General Information for Industrial Control Panels](#)**CAE ENGINEERING PTE LTD**

E486364

No1 Yishun Street 23, #01-45, YS-ONE  
768441 SINGAPORE

Industrial control panels.

[Last Updated](#) on 2016-08-04

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Certificate No. 12803

# ASTA CERTIFICATION SERVICES

(Incorporated in the year 1938)

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

Laboratory Ref. No. 6272

## CERTIFICATE OF SHORT-CIRCUIT RATING

APPARATUS: Three Phase and Neutral Horizontal and Vertical Busbars in a Type Tested Assembly Suitable for Type TT and TN Systems.  
Ratings:- Rated Voltages 600/1000V ( $U_n/U_i$ ): Rated Frequency 50Hz.

DESIGNATION: -

MANUFACTURER: C.A.E. Engineering SDN. BHD., No. 92 & 92A Jalan Rotan Batu, Taman Sri Jaya, Mukim Simpang Kanan, 83000 Batu Pahat, Johor, Malaysia.

TESTED BY: Falcon Testing Laboratory Limited, Loughborough, Leics., LE11 1HR.

DATE OF TESTS: 24th November 1995.

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

BS EN 60439-1:1994 (Including Amendment 1 and Annex NC), EN 60439-1:1994 (Including Corrigendum - Annex ZB) and IEC 439-1:1992 (Including Corrigendum dated December 1993) Sub-clauses 8.2.3.2.3 b) and d).

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.

### Short-time and peak current withstand ratings;

Horizontal busbars	: 3 off 101.6mmx9.53mm tinned hdhc copper bar per phase and neutral.
Vertical busbars	: 2 off 101.6mmx9.53mm tinned hdhc copper bar per phase and neutral.
Vertical busbars	: 1 off 101.6mmx9.53mm tinned hdhc copper bar per phase and neutral.
Three phase	: 50kA for 3 seconds, 105kA peak.
Adjacent phase and neutral	: 31.5kA for 3 seconds, 66.2kA peak.

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

This Certificate comprises 7 pages, 1 diagram, 4 oscillograms, 5 photographs, 6 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 tests performed and the assigned rated characteristics of the apparatus tested, are permitted without written permission from ASTA Certification Services, ASTA House, Chestnut Field, Rugby, CV21 2TL, England. (see overleaf).



Registration Number  
019

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 019

*V.J. Thompson*... ASTA Observer  
V.J. Thompson.

*F. J. Swan*... Director

*17 December 1995* Date