

ENGINEERING PUBLICATION
MOTION CONTROL DIVISION

PRODUCT: SIGMA I & II SUBJECT: UL CERTIFICATION

CATEGORY: PRODUCT NOTES

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DISTRIBUTION: MCD

Summary: Underwriters Laboratories (UL) listing information on Yaskawa products are provided in this document. The latest UL listing information for Yaskawa products may be obtained from UL's Listing Information System (LIS) on the UL website at <http://www.ul.com/database/>.

Yaskawa Electric America's product policy is to comply with global safety standards including UL for the U. S. and c-UL for Canada. The purpose of this document is to provide information on the UL listings of Yaskawa products and applicability of c-UL mark to meet Canadian safety standards such as those required by CSA.

Yaskawa servo amplifiers and accessories are covered under UL file # E147823, and servo motors are covered under file # E165827. The servo amplifiers are tested to UL standard UL508C, *Standard for Power Conversion Equipment*, and servo motors are tested to UL standard UL1004, *Electric Motors*. Copies of these Standards may be purchased from UL.

Yaskawa products also bear the c-UL mark and are certified by UL to be in compliance with appropriate Canadian standards. More information regarding the c-UL mark can be found on the UL website at <http://www.ul.com/database/>.

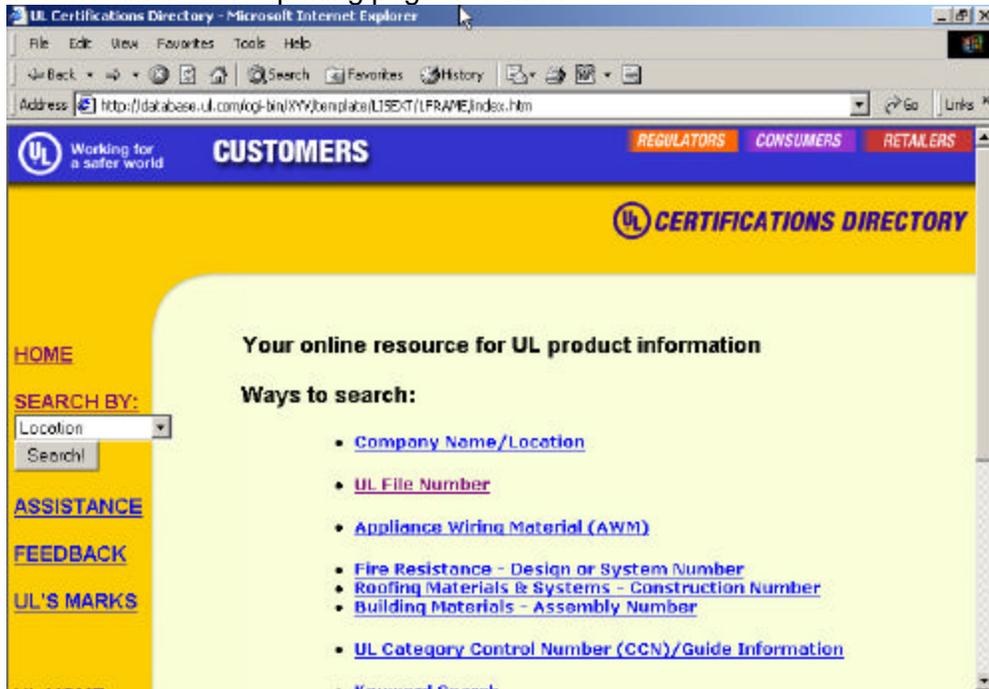
The chart below shows the UL file numbers and product categories for Yaskawa servo products:

	<u>UL</u>	<u>c-UL</u>
Motors	File #: E165827 Category: PRGY2	E165827 PRGY8
Amplifiers & Application Modules & Accessories	File #: E147823 Category: NMMS	E147823 NMMS7
Motion Controllers (e.g. SMC2000)	File #: E184524 Category: NRAQ	E184524 NRAQ7

The latest UL and cUL listing information may be obtained from UL's Listing Information System (LIS) on the UL website. To access LIS, follow the following steps:

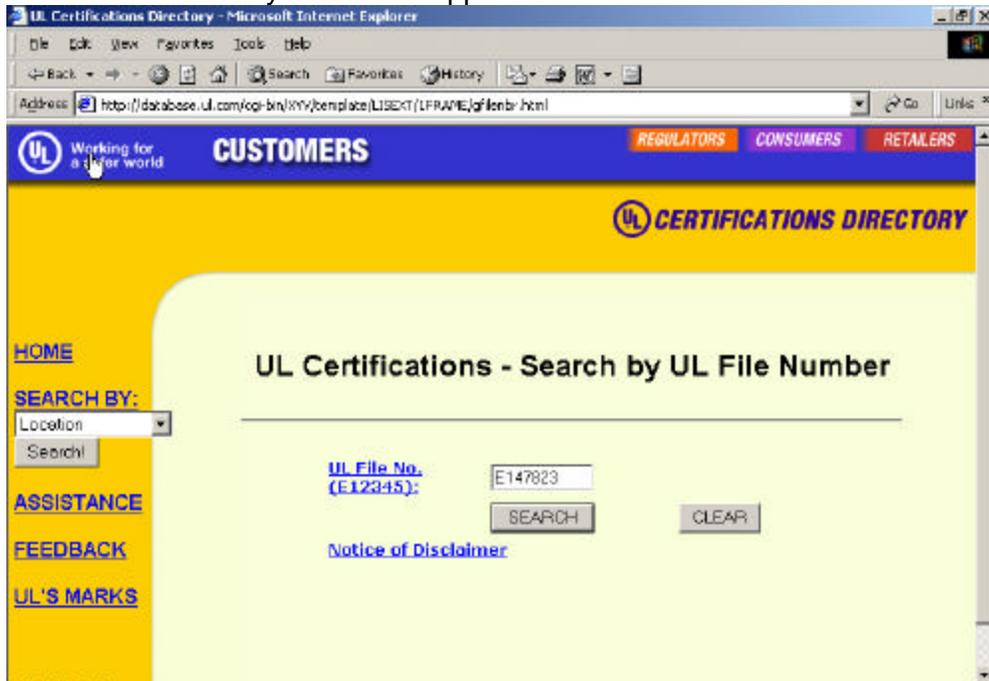
1. Log on to the UL website at <http://www.ul.com/database/>

2. You should see the opening page as below:



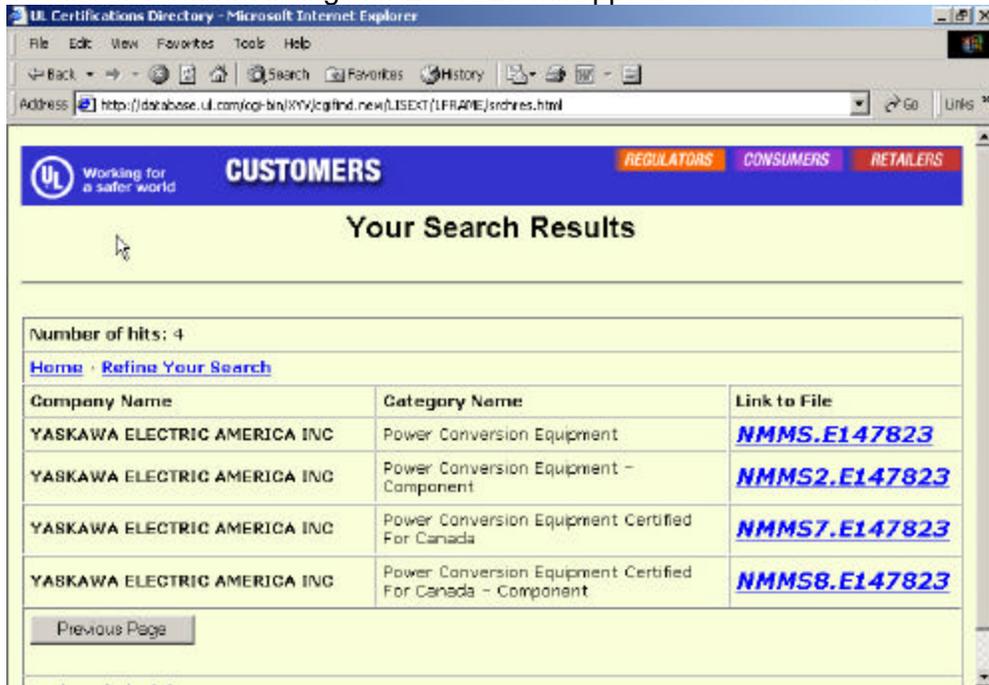
Select "UL File Number",

3. The file number entry screen will appear:



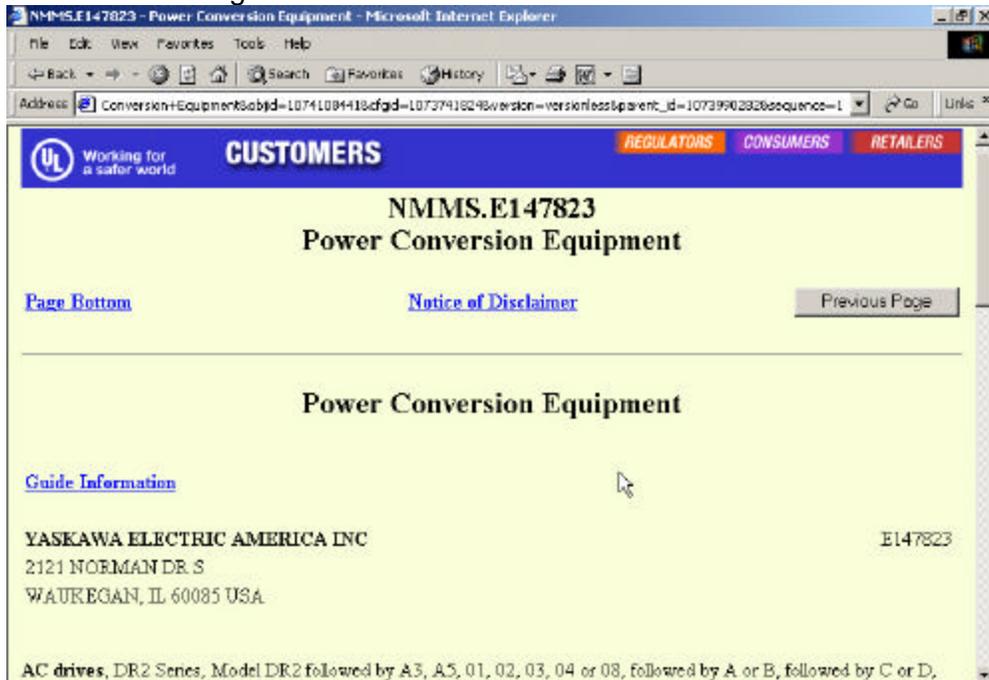
Enter the file number, e.g. E147823, and select "Search",

4. The list of Yaskawa listings for E147823 will appear as shown below:



Select one of the files, e.g. NMMS.E147823

5. The detailed listing will be shown:



This is the UL listing for the amplifiers & options. Scroll down for more details.



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NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

2004-01-07

Mr. Jamie Solt
Yaskawa Electric America Inc
2121 Norman Dr S
Waukegan Il . 60085
United States

Fax number: 847-887-7280

Reference: File E184524 Project 03NK33870

Product: USL/CNL - SMC 4000

Dear Mr. Solt,

UL's investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL's Follow-Up Service Program to the subject product, which is constructed as described below:

Similar to the subject model, which was submitted to UL for this investigation. The UL Records covering the product will be in the Follow-Up Services Procedure, File E184524, Volume 1.

This authorization applies only to the address on this letter.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn.

Sincerely,

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