



Underwriters Laboratories Inc.

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## NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

E124949

May 16, 2001

LG Industrial Systems Co., Ltd.  
Chonan Plant  
181, Sam-Sung Ri, Mock-Chun Myun  
Chonan Si, Chungnam, 330-845, Korea

Attention: Kyung-Hee Kwon  
Reference: File E124949, Project 01CA03093  
Subject: Adjustable Speed Drives - "iS5" Series

Dear Mr. Kwon:

We have completed our engineering investigation under the referenced project, and find the product complies with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Service Inspection Procedure, and it serves as authorization to apply the UL Listing Mark and the UL Listing Mark for Canada to the subject product which is described below:

Identical to all models in the iS5 series, which were submitted to UL for this investigation. The UL records covering the product will be in the Follow-Up Service Inspection Procedure, File E124949, Vol. 1, Section 9.

Modified as follows:

All Models:

Transistor (FET1) – For 460V rated models, Hitachi, Type 2SK2225, rated 1500V, 2A. Mounted to Aluminum heatsink. Heatsink measures overall 23 by 25 by 15 mm.

Alternate – Same except for 230V rated models, Toshiba, Type 2SK2717, rated 900V, 5A. Mounted to Aluminum heatsink. Heatsink measures overall 15.2 by 20 by 10.3 mm.

Models SV220iS5, SV185iS5, SV150iS5 and SV110iS5 followed by -2 or -4 and may be followed by N:

SMPS Transformer (TRANS1) – (PRI/SEC) Jung Won Electronics Co., Type 622005430. Core: EI2820 or EE3327 or Equivalent. Coil: Enameled copper wire wound on phenolic bobbin. Bobbin is R/C-Plastics (QMFZ2), phenolic, minimum 0.71 mm thick, rated 94V-0. Insulation between Primary to Secondary and for outerwrap is 3 layers of polyester film tape, R/C(OANZ2) minimum 0.1 mm thick. Minimum 3 mm wide margin tape is provided at top bobbin flange and minimum 5 mm wide margin tape is provided at bottom bobbin flange. Primary lead ends are insulated with one layer of 0.1 mm thick, R/C (OANZ2) polyester film tape, which extends a minimum 5 mm inside transformer from bottom bobbin flange.

Models SV008iS5, SV015iS5, SV022iS5, SV037iS5, SV055iS5 and SV075iS5 followed by -2 or -4 and may be followed by N:

SMPS Transformer (TRANS1) – (PRI/SEC) Jung Won Electronics Co., Type 622005383. Core: EI2820 or EE3327 or Equivalent. Coil: Enameled copper wire wound on phenolic bobbin. Bobbin is R/C-Plastics (QMFZ2), phenolic, minimum 0.71 mm thick, rated 94V-0. Insulation between Primary to Secondary between Gate-drive secondary and control circuit secondary and for outerwrap is 3 layers of polyester film tape, R/C(OANZ2) minimum 0.1 mm thick. Minimum 3 mm wide margin tape is provided at top bobbin flange and minimum 5 mm wide margin tape is provided at bottom bobbin flange. Primary lead ends are insulated with one layer of 0.1 mm thick, R/C (OANZ2) polyester film tape, which extends a minimum 5 mm inside transformer from bottom bobbin flange

This authorization is effective for 90 days only from the date of this Notice. Records covering the product are now being prepared and will be sent to you in the near future.

Products produced which bear the UL Mark shall be identical to those which were evaluated by UL and found to comply with the applicable requirements. If changes in construction are discovered, authorization to use the UL Mark may be withdrawn and products that bear the UL Mark may have to be revised (in the field or at the manufacturer's facility) to bring them into compliance with the applicable requirements.

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Products produced which bear the C-UL Mark shall be identical to those which were evaluated by UL and found to comply with Canadian requirements. If changes in construction are discovered, authorization to use the C-UL Mark may be withdrawn and products that bear the C-UL Mark may have to be revised (in the field or at the manufacturer's facility) to bring them into compliance with Canadian requirements.

Should you have any questions or need further assistance, please contact me.

Very truly yours,



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Reviewed by:



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