



**UNDERWRITERS LABORATORIES INC. ®**

2600 N.W. Lake Road

Camas, WA 98607-8542

United States Country Code (1)

(360) 817-5500

File E124949  
Project 01CA06268

February 11, 2002

REPORT

ON

POWER CONVERSION EQUIPMENT

LG Industrial Systems Co., Ltd.  
Chonan, Chungnam, Korea

Copyright © 2002 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce this Report provided it is reproduced in its entirety.

DESCRIPTIONPRODUCT COVERED:

USL/CNL - Open Type AC Adjustable Speed Drives: "iC5" Series, Models SV004iC5, SV008iC5, SV015iC5, and SV022iC5 followed by -1, -1F.

GENERAL:

The products covered by this report are general purpose, Insulated Gate Bipolar Transistor (IGBT) AC motor controllers, operating from a single-phase source of supply. They are intended to control three-phase induction motors by means of a variable frequency, variable voltage output.

The units are intended for mounting within another enclosure suitable for the application, with forced filtered ventilation, (as an open device), or for wall mounting an enclosed device with permanent connection to the supply source in a pollution degree 2 environment.

USL indicates Investigation to UL 508C - Power Conversion Equipment, Second Edition.

CNL Indicates Investigation to CAN/CSA-C22.2 No. 14-M91, Industrial Control Equipment.

ELECTRICAL RATING :

Model	HP	Input			Output			
		Vac	Phase	Amps	Vac	Amps	kVA	Hz
SV004iC5-1	0.5	230	1	5.5	230	2.5	0.95	0.01~400
SV004iC5-1F	0.5	230	1	5.5	230	2.5	0.95	0.01~400
SV008iC5-1	1.0	230	1	9.2	230	5.0	1.9	0.01~400
SV008iC5-1F	1.0	230	1	9.2	230	5.0	1.9	0.01~400
SV015iC5-1	2.0	230	1	16.0	230	8.0	3.0	0.01~400
SV015iC5-1F	2.0	230	1	16.0	230	8.0	3.0	0.01~400
SV022iC5-1	3.0	230	1	21.6	230	12.0	4.5	0.01~400
SV022iC5-1F	3.0	230	1	21.6	230	12.0	4.5	0.01~400

All Remaining Control Circuit Terminals - Class 2 or Limited Voltage/ Current, 24Vdc maximum.

ENVIRONMENTAL RATING:

Model	Maximum Surrounding air Temperature, °C	Maximum Ambient Temperature, °C
SV004iC5-1	50°C	40°C
SV004iC5-1F	50°C	40°C
SV008iC5-1	50°C	40°C
SV008iC5-1F	50°C	40°C
SV015iC5-1	50°C	-
SV015iC5-1F	50°C	-
SV022iC5-1	50°C	-
SV022iC5-1F	50°C	-

For use in a Pollution Degree 2 Environment