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0.4 — 7.5 kW [200V, 400V]

AC Variable Speed Drive LSLV-G100

Safety Instructions

- Read this manual carefully before installing, wiring, operating, servicing or inspecting this equipment.
- Keep this manual within easy reach for quick reference.



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LSLV-G100 / 2020.06

This operation manual is intended for users with basic knowledge of electricity and electric devices.

* LSLV-G100 is the official name for the G100 series inverters.

* Visit our website at <https://www.lselectric.co.kr> for the complete user manual.

1. Safety Information

1.1 Safety symbols in this manual

	Indicates an imminently hazardous situation which, if not avoided, will result in severe injury or death.
	Indicates a potentially hazardous situation which, if not avoided, could result in injury or death.
	Indicates a potentially hazardous situation that, if not avoided, could result in minor injury or property damage.

1.2 Safety information

⚠ Danger

- Never remove the product cover or touch the internal printed circuit board (PCB) or any contact points when the power is on. Also, do not start the product when the cover is open. This may cause an electrical shock due to the exposure of high voltage terminals or live parts.
- Even if the power is off, do not open the cover unless it is absolutely necessary like for the wiring operation or for regular inspection. Opening the cover may still cause an electrical shock even after the power is blocked because the product has been charged for a long period of time.
- Wait at least 10 minutes before opening the covers and exposing the terminal connections. Before starting work on the inverter, test the connections to ensure all DC voltage has been fully discharged. Otherwise it may cause an electrical shock and result in personal injury or even death.

⚠ Warning

- Make sure to install ground connection between the equipment and the motor for safe use. Otherwise it may cause an electrical shock and result in personal injury or even death.
- Do not turn on the power if the product is damaged or faulty. If you find that the product is faulty, disconnect the power supply and have the product professionally repaired.
- The inverter becomes hot during operation. Avoid touching the inverter until it has cooled to avoid burns. Avoid touching the inverter until it has cooled to avoid burns.
- Do not allow foreign objects, such as screws, metal chips, debris, water, or oil to get inside the inverter. Allowing foreign objects inside the inverter may cause the inverter to malfunction or result in a fire.
- Do not operate the switch with wet hands. Otherwise it may cause an electrical shock and result in personal injury or even death.

• Check the information about the protection level for the circuits and devices.

The connection terminals and parts below have electrical protection class 0. This means that the protection class of the circuit depends on basic insulation and there is a danger of electric shock if the basic insulation is not working properly. Therefore, take the same protective measures as handling the power line when connecting wires to the terminals or the device below, or when installing or using the devices.

- Multi-function Input: P1-P5, CM
- Analog Input/Output: VR, V1, I2, AO
- Digital Output: 24, A1/B1/C1, A2/C2
- Communication: S+ / S-
- Fan

• The protection level of this equipment (inverter) is electrical protective class 1.

⚠ Caution

- Do not change the inside of the product at your own discretion. This may result in injury or damage to the product due to failure or malfunction. Also, products changed at your own discretion will be excluded from the product warranty.
- Do not use the inverter for single phase motor operation as it has been designed for three phase motor operation. Using a single phase motor may damage the motor.
- Do not place heavy objects on top of electric cables. Heavy objects may damage the cable and result in electric shock.

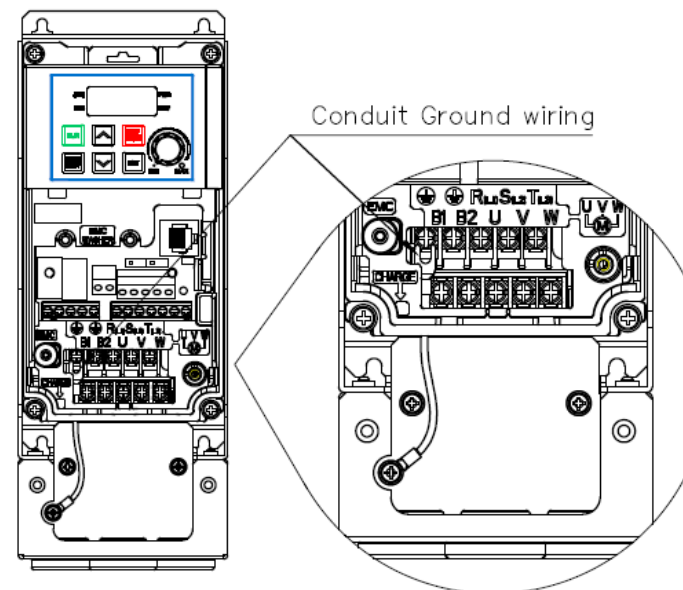
Note / Remarque

• Maximum allowed prospective short-circuit current at the input power connection is defined in IEC 60439-1 as 100 kA. Depending on the selected MCCB, the LSLV-G100 Series is suitable for use in circuits capable of delivering a maximum of 100 kA RMS symmetrical amperes at the drive's maximum rated voltage. The following table shows the recommended MCCB for RMS symmetrical amperes.

• Le courant maximum de court-circuit présumé autorisé au connecteur d'alimentation électrique est défini dans la norme IEC 60439-1 comme égal à 100 kA. Selon le MCCB sélectionné, la série LSLV-G100 peut être utilisée sur des circuits pouvant fournir un courant RMS symétrique de 100 kA maximum en ampères à la tension nominale maximale du variateur. Le tableau suivant indique le MCCB recommandé selon le courant RMS symétrique en ampères.

Working Voltage	UTE100E	UTE100H	UTS150H
240V(50/60Hz)	50 kA	100 kA	100 kA
480V(50/60Hz)	25 kA	65 kA	65 kA

[After Removing I/O Cover]



2. Installation Instruction

2.1 Installation Drawing

