

Standard Drive  
S100



General

|                               |                                |                            |
|-------------------------------|--------------------------------|----------------------------|
| Product code                  |                                | 6031007500                 |
| Product description           |                                | LSLV0037S100-4EOFNS        |
| Enclosure Rating              |                                | IP20, UL Type 1 (Optional) |
| Input Rating (3-Phase)        | Supply Voltage [VAC]           | 380~480 VAC                |
|                               | Rated Current [HD/Heavy Duty]  | 8.7 A                      |
|                               | Rated Current [ND/Normal Duty] | 10.8 A                     |
|                               | Supply Frequency [Hz]          | 50~60 Hz                   |
| Input Rating (1-Phase)        | Supply Voltage (VAC)           | 480 VAC                    |
|                               | Rated Current (HD)             | 8.7 A                      |
|                               | Rated Current (ND)             | 10.8 A                     |
|                               | Supply Frequency (Hz)          | 60 Hz                      |
| Output Rating (3-Phase Input) | Output Voltage (VAC)           | 380~480 VAC                |
|                               | Motor Power HP (HD)            | 5.0 hp                     |
|                               | Motor Power HP (ND)            | 5.4 hp                     |
|                               | Motor Power kW (HD)            | 3.7 kW                     |
|                               | Motor Power kW (ND)            | 4.0 kW                     |
|                               | Output Current (HD)            | 8.0 A                      |
|                               | Output Current (ND)            | 10.0 A                     |
|                               | Rated Capacity (HD)            | 6.1 kVA                    |
|                               | Rated Capacity (ND)            | 7.6 kVA                    |

|                               |                       |          |
|-------------------------------|-----------------------|----------|
|                               | Output Frequency (Hz) | 0~400 Hz |
| Output Rating (1-Phase Input) | Output Voltage [VAC]  | -        |
|                               | Motor Power HP [HD]   | -        |
|                               | Motor Power HP [ND]   | -        |
|                               | Output Current [HD]   | 4.8 A    |
|                               | Output Current [ND]   | 5.9 A    |
|                               | Rated Capacity [HD]   | -        |
|                               | Rated Capacity [ND]   | -        |
|                               | Output Frequency [Hz] | -        |

### General

|                      |                       |                                                                    |
|----------------------|-----------------------|--------------------------------------------------------------------|
| Short Circuit Rating |                       | 100kA (IEC 60439-1)                                                |
| Overload Capacity    | HD                    | 150% for 1min                                                      |
|                      | ND                    | 120% for 1min                                                      |
| Control Method       |                       | V/F control, Slip compensation, Sensorless vector, PM sensorless   |
| Input Terminals      |                       | 5 Points                                                           |
| Output Terminals     | Relay Output          | 1 Point                                                            |
|                      | Open Collector Output | 1 Point                                                            |
| EMC Filter           |                       | Built-in                                                           |
| DC Reactor           |                       | -                                                                  |
| Communication        | Built-in              | Modbus RTU, LS INV 485                                             |
|                      | Option                | PROFINet, Modbus TCP, EtherCAT, EtherNet/IP, Profibus -DP, CANopen |
| Option Card          |                       | Extension I/O, Remote Cabel, Remote Keypad, Flange, C onduit       |

### Environment

|                     |    |                     |
|---------------------|----|---------------------|
| Ambient Temperature | HD | -10~50°C (14~122°F) |
|                     | ND | -10~40°C (14~104°F) |
| Storage Temperature |    | -20~65°C (-4~149°F) |

|               |                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------|
| Humidity      | Relative humidity of 95% RH or below (without dew formation)                                                               |
| Vibration     | 9.8m/sec <sup>2</sup> (1.0G) or below                                                                                      |
| Altitude      | 1,000m above sea level (From 1,000m or more, voltage/output current derating by 1% for every 100m elevation; up to 4,000m) |
| Certification | KC, CE, UL, cUL, Safety                                                                                                    |

### Dimensions

|           |      |                    |
|-----------|------|--------------------|
| Frame     | C    |                    |
| W x H x D | mm   | 140 x 180 x 140    |
|           | inch | 5.51 x 7.09 x 5.51 |

### Drawing

