



# Modular Changeover Switch

## Installation Instructions

### NLSCS632 & NLSCS634

\* These instructions should be read in full before installation and kept with the end user for future reference. Must be installed by a qualified and licensed electrician.

#### DESCRIPTION

This NLSCS series manual operated changeover switch is of compact modular design for DIN rail installation in electrical switchboard to switch between two circuits of mains power supply and backup power supply with center off for current up to 63A.

#### FEATURES

- Two versions for single or three phase installation.
- Modular design for din rail mounting.
- Two-way switching circuits with center off.
- Visible contact status through marking on handle.

#### SAFETY

1. This device should be installed by a licensed electrician in accordance with wiring regulations.
2. Ensure the mains supply is fully disconnected before installation or inspection.
3. This device is not a dis-connector and should not be used for isolating purpose.
4. Install a main switch or a circuit breaker for circuit isolation.
5. This device should be protected by a circuit breaker rated 63A in the incoming circuit.
6. Do not allow children to tamper with electrical devices.
7. This device is designed for indoor use only.

#### INSTALLATION

1. Switch off the power supply and ensure the circuit to be installed is fully isolated.
2. Connect power supplying cables to the relevant top side terminals and load circuit cables to the down side terminals of the changeover switch. Make sure all the cables are wired correctly according to the diagram and all screws are fully tightened.
3. Clip the device on the din rail of switch board.

#### OPERATION

1. Push the handle upward, the contact status marking on the handle displays "I", the circuit is connecting with terminal group "I" of Mains Power Supply.
2. Push the handle back to the middle, the circuit is in off position without connecting any power supplies.
3. Push the handle downward, the contact status marking on the handle displays "II", the circuit is connecting with terminal group "II" of Backup Power Supply.
4. Push the handle to the desired position according to actual need.

#### TECHNICAL DATA

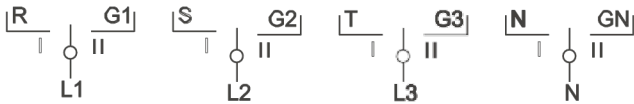
| Type                            | NLSCS632          | NLSCS634           |
|---------------------------------|-------------------|--------------------|
| Number of pole                  | 2P                | 4P                 |
| Number of module                | 4                 | 8                  |
| Rated voltage                   | 230VAC            | 400VAC             |
| Rated current                   | 63A               |                    |
| Rated frequency                 | 50/60 Hz          |                    |
| Rated insulation voltage        | 500V              |                    |
| Rated impulse withstand voltage | 4kV               |                    |
| Utilization category            | AC21A             |                    |
| Electrical endurance            | 5,000             |                    |
| Mechanical endurance            | 50,000            |                    |
| Pollution degree                | 2                 |                    |
| Protection degree               | IP20              |                    |
| Max. Tightening Torque          | 5Nm               |                    |
| Terminal capacity               | 25mm <sup>2</sup> |                    |
| Mounting                        | DIN rail          |                    |
| Operating temperature           | -5°C to +40°C     |                    |
| Storage temperature             | -10°C to +70°C    |                    |
| Weight                          | 362.6g            | 737.8g             |
| Dimension                       | 71 x 80 x 86.5 mm | 143 x 80 x 86.5 mm |
| Complying Standards             | AS/NZS 60947-3    |                    |



## SWITCHING DIAGRAM

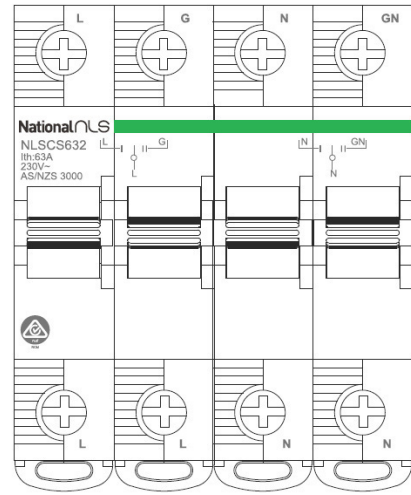


NLSCS632 2 POLE

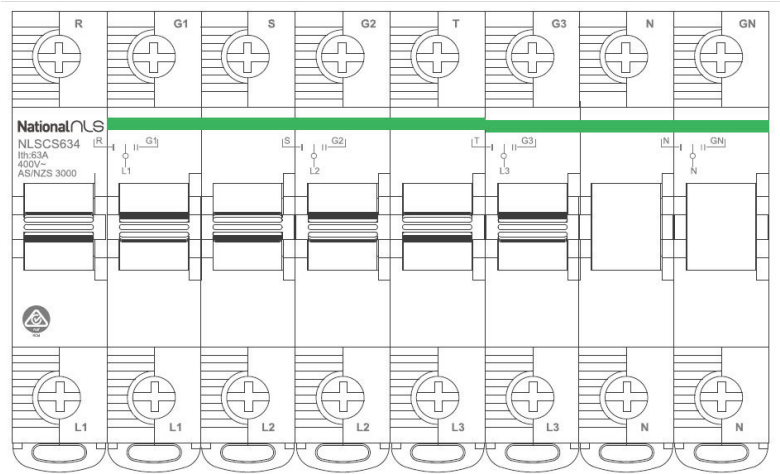


NLSCS634 4 POLE

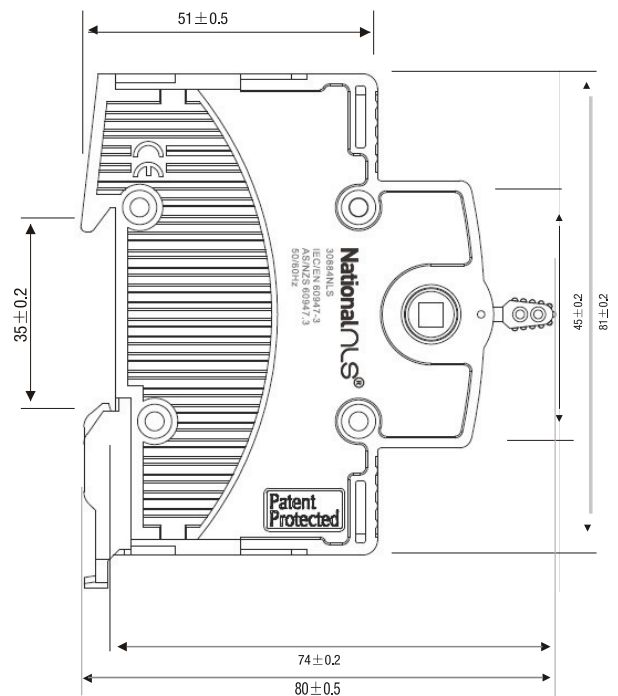
## DIMENSION (MM)



30884NLS



30885NLS



NLS



ACCREDITATION



RCM



ROHS



WARRANTY



5 STAR