

## NSD ( HYBRID TYPE)

**BEE BEE** Hybrid starter is the incorporation of Multifunction motor protection device with conventional oil immersed starters to make the starter more robust, protective and beneficial for the users

It monitors current and voltage of motor by Sensors and processing it further through a **Microcontroller** based intelligent circuitry and delivering its desired output to provide safeguards to the motor and make motor's life lor

### Salient Features

- Multiple protections in a single unit.
- Wide range adjustable current setting.
- Low power consumption.
- High accuracy.
- Functional display through LED.

### Protections

- Over Current Protection
- Phase loss protection.
- Phase imbalance protections

### Sensors:

It sense current through current transformers, and sense voltage directly from three phase input line.

### Operation

Provide 3 $\phi$  supply to the starter by switching on the main switch. Blue LED will glow, it indicates the power is on; starter is ready to run the motor.

- Blue LED (**PWR**) indicates power on.
- Orange LED (**PL**) indicates Phase Loss or Phase imbalance.
- Red LED (**OL**) indicates Over Load.



Power	Up to 200H.P
Starter Type	Manually operated Oil Immersed type Star Delta Starter
Voltage	415VAC
Coil Voltage	415 VAC
Current Rating	Depends upon HP
Phase	Three Phase
Frequency	50 Hz
Current Type	AC
Material	Mild steel Powder Coated
Brand	BEEBEE