

# SST Series Motor Soft Starter

## Product Overview

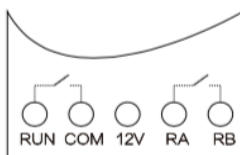
SST series of soft starters integrated with built-in bypass can greatly reduce the construction cost in its application. It adopts top branded components like SCR module made by German SEMIKRON and the main control chip DP by Italian STMicroelectronics. It features alloyed body design with high strength, control unit with internal power supply design, set-free rapid deployment, and the compacted configuration.

The applicable standards: IEC 60947-4-2:2002

## Product Features

- Built-in bypass contactor (Timesaving, laborsaving and space saving due to needless installation of external bypass contactor.)
- Alloyed body design with high strength. (Elegant appearance due to wire drawing anodic oxidation technology, high-strength aluminum body, no corrosion with acid and alkali salt spray)
- Control unit with internal power-supply design (Control unit can be used easily without independent power supply or even with no three-phase four-wire power)
- Set-free rapid deployment (Be connected with no need to input the motor parameters, built-in intelligent procedures, or the preset parameters)
- Compacted size (The volume of the body is still reduced by 60% compared to the same type of products founded in the market even it is integrated with bypass contactor.)

## Terminals



## Specifications

### ● Main Circuit Terminal Description

| Terminal Mark | Terminal Name                  | Function Descriptions            |
|---------------|--------------------------------|----------------------------------|
| L1、L2、L3      | main circuit power input       | connect three-phase power supply |
| T1、T2、T3      | soft starter output connection | connect three-phase motor        |

### ● Control Circuit Terminal Description

| Terminal Mark | Terminal Name            | Function Description                                                                                                                                                             |
|---------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RUN           | Input start              | When the RUN terminal and the COM terminal is connected, the motor starts to run;<br>When the RUN terminal and the COM terminal is disconnected, the motor decelerates to a stop |
| COM           | Public terminal          | The public terminal of RUN and 12V                                                                                                                                               |
| 12V           | Power supply terminal    | Internal 12V power supply output terminal, maximum 300mA, overload is strictly prohibited                                                                                        |
| RA、RB         | Working status indicator | Relay outputs in working status. Contact is closed during operation, and gets disconnected when park or fault happens. The relay capacity is 250V/AC 0.3A                        |

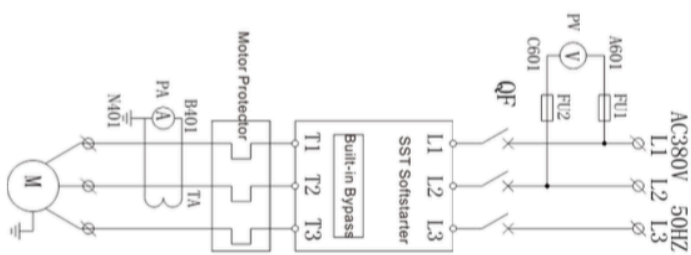
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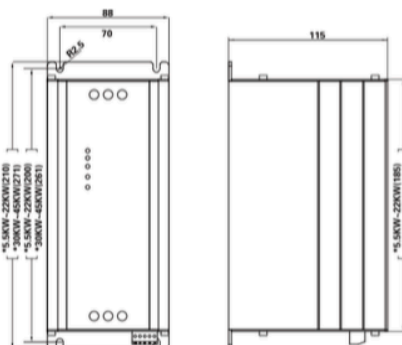
## ● Power Rate

| Model    | 230V/KW | 400V/KW | 500V/KW | Rated Current ( A ) |
|----------|---------|---------|---------|---------------------|
| SST-N5R5 | 3       | 5.5     | 5.5     | 13                  |
| SST-N7R5 | 4       | 7.5     | 7.5     | 17                  |
| SST-N11  | 5.5     | 11      | 11      | 25                  |
| SST-N15  | 7.5     | 15      | 15      | 32                  |
| SST-N18  | 7.5     | 18.5    | 22      | 37                  |
| SST-N22  | 11      | 22      | 30      | 45                  |
| SST-N30  | 15      | 30      | 37      | 60                  |
| SST-N37  | 18.5    | 37      | 45      | 75                  |
| SST-N45  | 22      | 45      | 55      | 90                  |

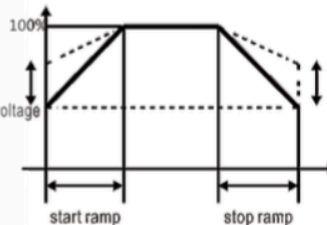
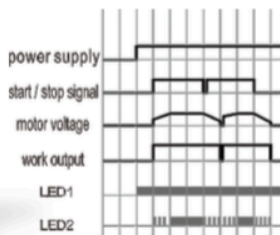
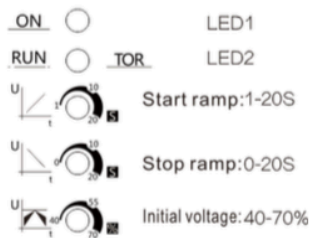
## Wiring Diagram



## Size



## Voltage Ramp



## ● Note: Indicator

On: It is on when the equipment is electrified.

Run/TOR: It flashes during starting or parking of the equipment, and it is on when the bypass is working.

Malfunction: LED1 and LED2 flash at the same time when malfunction occurs.

| Model    | Dimension(mm) | N.W(kg) | G.W(kg) | Packing Dimension(mm) | 8 sets/carton | G.W(kg) |
|----------|---------------|---------|---------|-----------------------|---------------|---------|
| SST-N5R5 | 210*88*118    | 1.8     | 2       | 250*134*180           | 510*285*380   | 17      |
| SST-N7R5 |               |         |         |                       |               |         |
| SST-N11  |               |         |         |                       |               |         |
| SST-N15  |               |         |         |                       |               |         |
| SST-N18  |               |         |         |                       |               |         |
| SST-N22  |               |         |         |                       |               |         |
| SST-N30  |               |         |         |                       |               |         |
| SST-N37  | 259*88*118    | 2       | 2.2     | 311*134*180           | /             | /       |
| SST-N45  |               |         |         |                       |               |         |