



# ESM6

Ultra-compact structure

## Soft Starters



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Products Features

- ◆ Its compact and rugged form factor enables easy integration into a wide range of control systems.
- ◆ Equipped with DIN rail mounting slots, installation is quick and straightforward. All parameters are centrally adjusted through a single rotary knob for simple, intuitive operation.
- ◆ LED indicators provide clear visibility of power status, running conditions, and fault diagnostics at a glance.
- ◆ Both soft-start and soft-stop times are adjustable, with multiple initial soft-start voltage options available.
- ◆ A built-in bypass contactor effectively minimizes power losses and prolongs service life.
- ◆ Current range 4 to 105A; Voltage 220V / 380V / 600V

Model Table

| Peak. Rated power of Motors, kW |      |      | Motor's<br>current, A | Features |         |            |                    | Frame |
|---------------------------------|------|------|-----------------------|----------|---------|------------|--------------------|-------|
| 3 phase 50/60Hz                 |      |      |                       | Model    | Voltage | Current, A | Control<br>Voltage |       |
| 220V                            | 400V | 600V |                       |          |         |            |                    |       |
| 0.75                            | 1.5  | 3    | 3.9                   | ESM6     | -XX-    | 4          | -X                 | A     |
| 1.5                             | 3    | 6    | 6.8                   | ESM6     | -XX-    | 7          | -X                 |       |
| 2.2                             | 4    | 8    | 9                     | ESM6     | -XX-    | 9          | -X                 |       |
| 3                               | 5.5  | 11   | 12                    | ESM6     | -XX-    | 12         | -X                 |       |
| 4                               | 7.5  | 15   | 16                    | ESM6     | -XX-    | 16         | -X                 |       |
| 5.5                             | 11   | 22   | 25                    | ESM6     | -XX-    | 25         | -X                 |       |
| 7.5                             | 15   | 30   | 30                    | ESM6     | -XX-    | 30         | -X                 |       |
| 9                               | 18.5 | 37   | 37                    | ESM6     | -XX-    | 37         | -X                 |       |
| 11                              | 22   | 45   | 45                    | ESM6     | -XX-    | 45         | -X                 |       |
| 15                              | 30   | 55   | 60                    | ESM6     | -XX-    | 60         | -X                 | B     |
| 22                              | 37   | 59   | 72                    | ESM6     | -XX-    | 72         | -X                 |       |
| 25                              | 45   | 75   | 85                    | ESM6     | -XX-    | 85         | -X                 |       |
| 30                              | 55   | 90   | 105                   | ESM6     | -XX-    | 105        | -X                 |       |

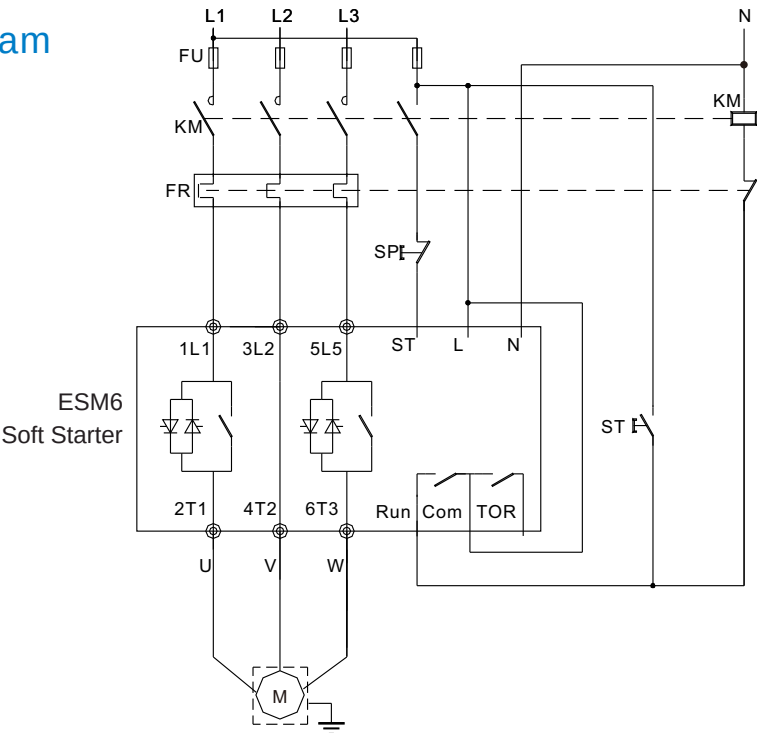
The ESM6 is an ultra-compact digital soft starter purpose-built for three-phase asynchronous motors.

It provides flexible soft-start and soft-stop capability, with both the starting and stopping cycles fully adjustable. The initial voltage during soft start ( corresponding to initial torque ) offers multiple selectable settings.

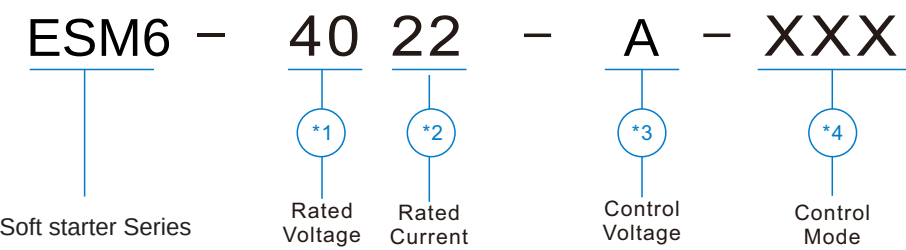
This greatly reduces inrush current and mechanical torque shock during motor startup, safeguarding both the motor and the power supply network. It not only relaxes requirements on power supply quality and lightens the burden on the grid, but also extends overall equipment service life.

The ESM6 is widely used in various small motor-driven applications, including industrial and commercial air conditioning, refrigerators, freezers, and water pump control systems.

Wiring Daigram



How to Order

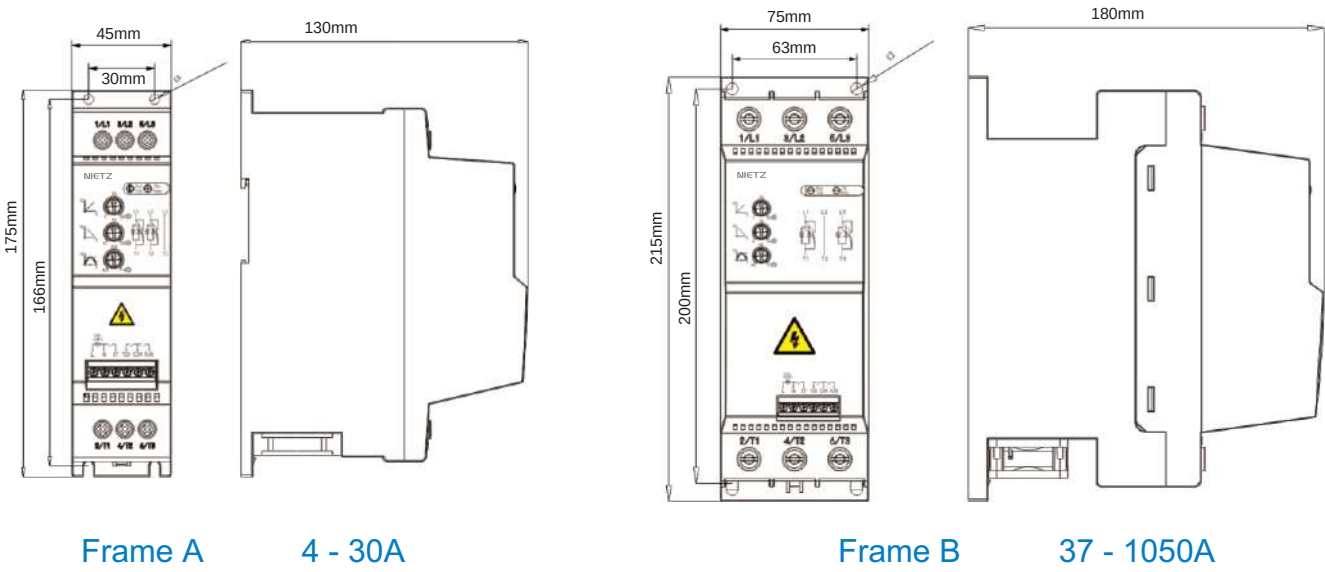


- 1, Rated Voltage: 22:220VAC 40:400VAC 60:600VAC
- 2, Rated current: 4.0-105A
- 3, Control voltage: A :110-240 VAC D: 24VDC
- 4, Control mode: 3P3: 3 phase control

Technical Specification

|                 |                 |            |                 |                       |
|-----------------|-----------------|------------|-----------------|-----------------------|
| Main Voltage    | 220V - 600V AC  | 50 / 60 Hz | Soft Start Time | 1 - 20s               |
| Main Current    | 4.0 - 105 A     | 50 / 60 Hz | Soft Stop Time  | 1 - 20s               |
| Control Voltage | A 110 - 240V AC | 50 / 60 Hz | Initial Voltage | 40 - 70% Ue           |
|                 | D 24V DC        | 50 / 60 Hz |                 |                       |
| Bypass          | Built-in Bypass |            | Mount type      | DIN-Rail or Screw fix |

Dimension



Interface ESM6

