# Product datasheet

Specifications



Discontinued

## soft starter for asynchronous motor, Altistart 48, 605A, 230 to 415V, 160 to 500kW

ATS48C66Q

Discontinued on: 16 Jun 2025

**EAN Code: 3389110982510**

## Main

| | |
|---|---|
| **Range of product** | Altistart 48 |
| **Product or component type** | Soft starter |
| **Product destination** | Asynchronous motors |
| **Product specific application** | Heavy duty industry and pumps |
| **Device short name** | ATS48 |
| **Utilisation category** | AC-53A |
| **Ue power supply voltage** | 230...415 V - 15...10 % |
| **power supply frequency** | 50...60 Hz - 5...5 % |
| **Motor power kW** | 160 kW at 230 V connection in the motor supply line for severe applications<br>315 kW at 230 V connection to the motor delta terminals for standard applications<br>315 kW at 400 V connection in the motor supply line for severe applications<br>355 kW at 400 V connection in the motor supply line for standard applications<br>400 kW at 400 V connection to the motor delta terminals for severe applications<br>500 kW at 400 V connection to the motor delta terminals for standard applications |

## Complementary

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|---|---|
| **Device connection** | To the motor delta terminals<br>In the motor supply line |
| **Protection type** | Phase failure: line<br>Thermal protection: motor<br>Thermal protection: starter |
| **Standards** | IEC 60947-4-2 |
| **Product certifications** | DNV<br>SEPRO<br>TCF<br>CCC<br>UL<br>CSA<br>NOM 117<br>C-Tick<br>GOST |
| **Marking** | CE |
| **Discrete input number** | 5 |
| **Discrete input type** | PTC, 750 Ohm at 25 °C<br>(Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm |
| **Discrete input logic** | Positive logic Stop, Run, LI3, LI4 at State 0: < 5 V and <= 2 mA at State 1: > 11 V, >= 5 mA |
| **Minimum switching current** | 10 mA at 6 V DC for relay outputs |
| **Discrete output number** | 2 |

Rates duty January 2016

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Discrete output type** | (LO1) logic output 0 V common configurable<br>(LO2) logic output 0 V common configurable<br>(R1) relay outputs fault relay NO<br>(R2) relay outputs end of starting relay NO<br>(R3) relay outputs motor powered NO |
| **Analogue output type** | Current output AO: 0-20 mA or 4-20 mA, impedance <500 Ohm |
| **Communication port protocol** | Modbus |
| **Connector type** | 1 RJ45 |
| **Communication data link** | Serial |
| **Physical interface** | RS485 multidrop |
| **Transmission rate** | 4800, 9600 or 19200 bps |
| **Function available** | External bypass (optional) |
| **Operating position** | Vertical +/- 10 degree |
| **Height** | 670 mm |
| **Width** | 400 mm |
| **Depth** | 300 mm |
| **Product weight** | 51.4 kg |

## Environment

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|---|---|
| **Electromagnetic compatibility** | Conducted and radiated emissions level A conforming to IEC 60947-4-2<br>Damped oscillating waves level 3 conforming to IEC 61000-4-12<br>Electrostatic discharge level 3 conforming to IEC 61000-4-2<br>Immunity to electrical transients level 4 conforming to IEC 61000-4-4<br>Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3<br>Voltage/current impulse level 3 conforming to IEC 61000-4-5 |
| **Relative humidity** | 0…95 % without condensation or dripping water conforming to IEC 60068-2-3 |
| **Ambient air temperature for operation** | 40…60 °C (with current derating of 2 % per °C)<br>-10…40 °C (without derating) |
| **Ambient air temperature for storage** | -25…70 °C |
| **Operating altitude** | <= 1000 m without derating<br>> 1000...2000 m with current derating of 2.2 % per additional 100 m |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 39.0 cm |
| **Package 1 Width** | 59.0 cm |
| **Package 1 Length** | 78.0 cm |
| **Package 1 Weight** | 53.405 kg |
| **Unit Type of Package 2** | P06 |
| **Number of Units in Package 2** | 1 |
| **Package 2 Height** | 75.0 cm |
| **Package 2 Width** | 60.0 cm |
| **Package 2 Length** | 80.0 cm |
| **Package 2 Weight** | 63.32 kg |

## Contractual warranty

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|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Better

#### Materials and Substances

| | |
|---|---|
| SCIP Number | 3439310f-1deb-4b4b-8667-1df94274da76 |
| EU RoHS Directive | Compliant By Exemption |

### Use Longer

#### Lifetime extension

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|---|---|
| Repair | No |

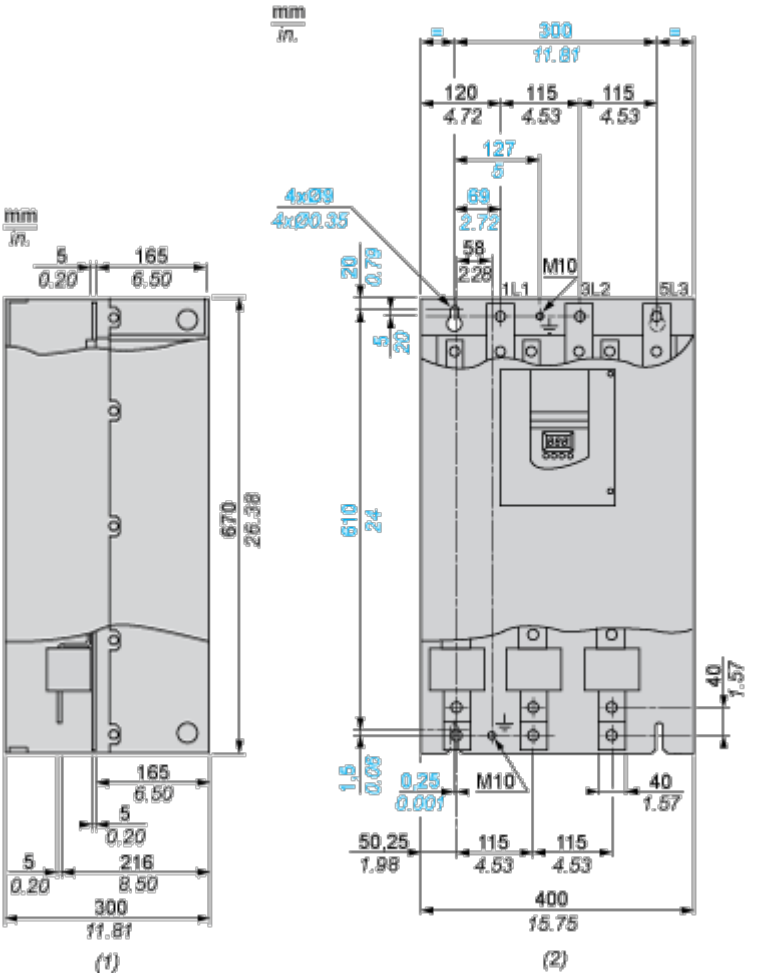
### Use Again

#### Repack and remanufacture

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|---|---|
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

## Dimensions




**(1)** Right View
**(2)** Front View

Mounting and Clearance

## Clearance

