

# Product data sheet

Specifications



## soft starter for asynchronous motor - ATS48 - 42 A - 230..415 V - 9..45 KW

ATS48D47Q

⚠ Discontinued - Service only

⚠ Discontinued on: Aug 7, 2023

⚠ To be end-of-service on: Dec 31, 2030

### 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               | 9 kW at 230 V connection in the motor supply line for severe applications<br>11 kW at 230 V connection in the motor supply line for standard applications<br>18.5 kW at 230 V connection to the motor delta terminals for severe applications<br>18.5 kW at 400 V connection in the motor supply line for severe applications<br>22 kW at 230 V connection to the motor delta terminals for standard applications<br>22 kW at 400 V connection in the motor supply line for standard applications<br>30 kW at 400 V connection to the motor delta terminals for severe applications<br>45 kW at 400 V connection to the motor delta terminals for standard applications |

### Complementary

|                        |  |
|------------------------|--|
| 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              | EN/IEC 60947-4-2   |
| Product Certifications | UL<br>TCF<br>NOM 117<br>GOST<br>CCC<br>CSA<br>DNV<br>C-Tick<br>SEPRO                         |
| 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 |

List Price displayed is VAT EXCLUSIVE.

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

|                             |   |
|-----------------------------|---|
| Minimum Switching Current   | 10 mA at 6 V DC for relay outputs   |
| Discrete Output Number      | 2   |
| 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                      | 275 mm  |
| Width                       | 160 mm  |
| Depth                       | 190 mm  |
| Net Weight                  | 4.9 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Electromagnetic Compatibility         | Conducted and radiated emissions level A conforming to IEC 60947-4-2<br>Conducted and radiated emissions level B 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 EN/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             | 28.5 cm |
| Package 1 Width              | 26.0 cm |
| Package 1 Length             | 37.0 cm |
| Package 1 Weight             | 5.83 kg |
| Unit Type Of Package 2       | P06     |
| Number Of Units In Package 2 | 8       |
| Package 2 Height             | 73.5 cm |
| Package 2 Width              | 80.0 cm |
| Package 2 Length             | 60.0 cm |

|                  |           |
|------------------|-----------|
| Package 2 Weight | 58.936 kg |
|------------------|-----------|

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

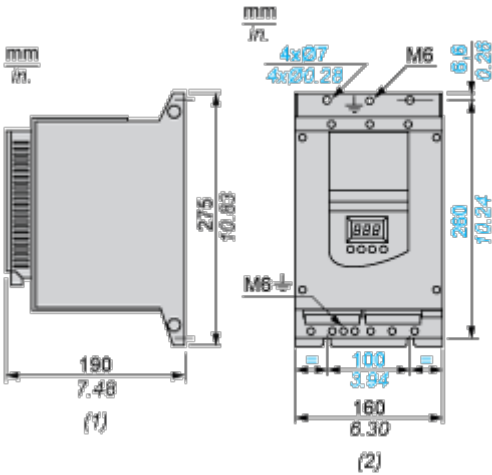
[Guide to assess a product's sustainability >](#)

## Well-being performance

|  |   |
|--|---|
|  Mercury Free               |   |
|  Rohs Exemption Information | <a href="#">Yes</a>   |
| Reach Regulation   | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive  | Pro-active compliance (Product out of EU RoHS legal scope)  |
| China Rohs Regulation  | <a href="#">China RoHS declaration</a>  |
| Weee   | 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

