

# Product datasheet

Specifications



## ATS48C14Q. Soft starter for asynchronous motor. ATS48. 131 A. 230-415 V. 30-110 KW

ATS48C14Q

Discontinued - Service only

Discontinued on: 07 Aug 2023  
To be end-of-service on: 31 Dec 2030

Price: 48,019.46 ZAR

### 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               | 55 kW at 230 V connection to the motor delta terminals for severe applications<br>55 kW at 400 V connection in the motor supply line for severe applications<br>75 kW at 230 V connection to the motor delta terminals for standard applications<br>75 kW at 400 V connection in the motor supply line for standard applications<br>90 kW at 400 V connection to the motor delta terminals for severe applications<br>110 kW at 400 V connection to the motor delta terminals for standard applications<br>30 kW at 230 V connection in the motor supply line for severe applications<br>37 kW at 230 V connection in the motor supply line 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 | CSA<br>UL<br>DNV<br>GOST<br>NOM 117<br>C-Tick<br>SEPRO<br>CCC<br>TCF                         |
| 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 |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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                      | 340 mm                                                                                                                                                                                                              |
| Width                       | 200 mm                                                                                                                                                                                                              |
| Depth                       | 265 mm                                                                                                                                                                                                              |
| Net Weight                  | 12.4 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             | 32.0 cm   |
| Package 1 Width              | 46.0 cm   |
| Package 1 Length             | 42.5 cm   |
| Package 1 Weight             | 13.688 kg |
| Unit Type Of Package 2       | P06       |
| Number Of Units In Package 2 | 2         |
| Package 2 Height             | 73.5 cm   |
| Package 2 Width              | 80.0 cm   |
| Package 2 Length             | 60.0 cm   |

|                  |          |
|------------------|----------|
| Package 2 Weight | 41.96 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 >](#)

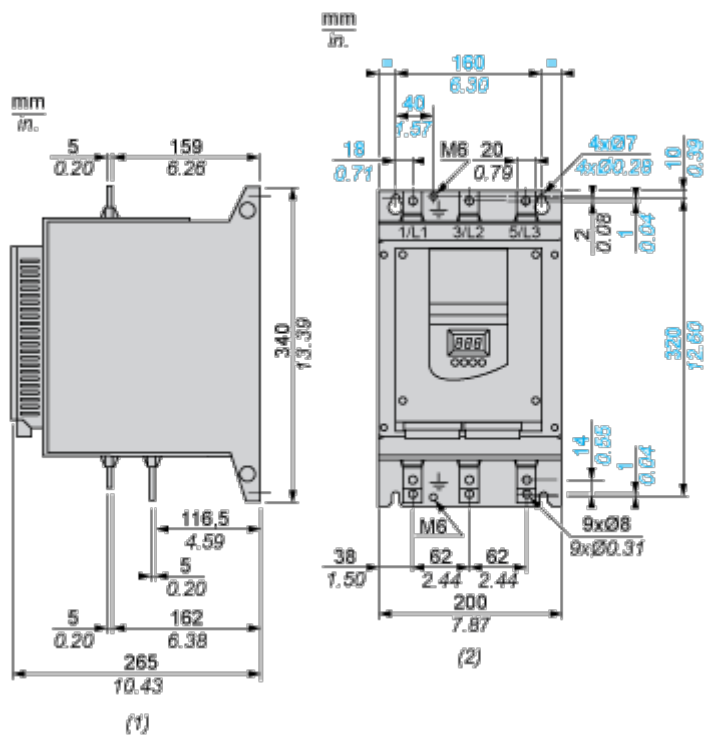
[Guide to assess a product’s sustainability >](#)

## 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

