

# Product datasheet

Specifications



soft starter for asynchronous motor,  
ATS48, 414 A, 208..690 V, 110..500  
KW

ATS48C48Y

⚠ Discontinued on: 30 Apr 2023

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

⚠ Discontinued

## 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	208...690 V - 15...10 %
Power Supply Frequency	50...60 Hz - 5...5 %
Motor Power Kw	110 kW at 230 V for severe applications 132 kW at 230 V for standard applications 220 kW at 400 V for severe applications 220 kW at 440 V for severe applications 250 kW at 400 V for standard applications 250 kW at 440 V for standard applications 250 kW at 500 V for severe applications 250 kW at 525 V for severe applications 315 kW at 500 V for standard applications 315 kW at 525 V for standard applications 355 kW at 660 V for severe applications 400 kW at 660 V for standard applications 400 kW at 690 V for severe applications 500 kW at 690 V for standard applications
Motor Power Hp	125 hp at 208 V for severe applications 150 hp at 208 V for standard applications 150 hp at 230 V for severe applications 300 hp at 460 V for severe applications 350 hp at 460 V for standard applications 350 hp at 575 V for severe applications 400 hp at 575 V for standard applications

## Complementary

Device Connection	In the motor supply line
Protection Type	Phase failure: line Thermal protection: motor Thermal protection: starter
Standards	EN/IEC 60947-4-2

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

Product Certifications	UL NOM 117 DNV SEPRO C-Tick CSA GOST CCC TCF
Marking	CE
Discrete Input Number	5
Discrete Input Type	PTC, 750 Ohm at 25 °C (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
Discrete Output Type	(LO1) logic output 0 V common configurable (LO2) logic output 0 V common configurable (R1) relay outputs fault relay NO (R2) relay outputs end of starting relay NO (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
Net Weight	51.4 kg

## Environment

Electromagnetic Compatibility	Conducted and radiated emissions level A conforming to IEC 60947-4-2 Damped oscillating waves level 3 conforming to IEC 61000-4-12 Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 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) -10...40 °C (without derating)
Ambient Air Temperature For Storage	-25...70 °C
Operating Altitude	<= 1000 m without derating > 1000...2000 m with current derating of 2.2 % per additional 100 m

## Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
Package 1 Height	39.5 cm
Package 1 Width	58.5 cm
Package 1 Length	78 cm
Package 1 Weight	55.5 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	1
Package 2 Height	75 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	64 kg

## Contractual warranty

Warranty	18 months
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## 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

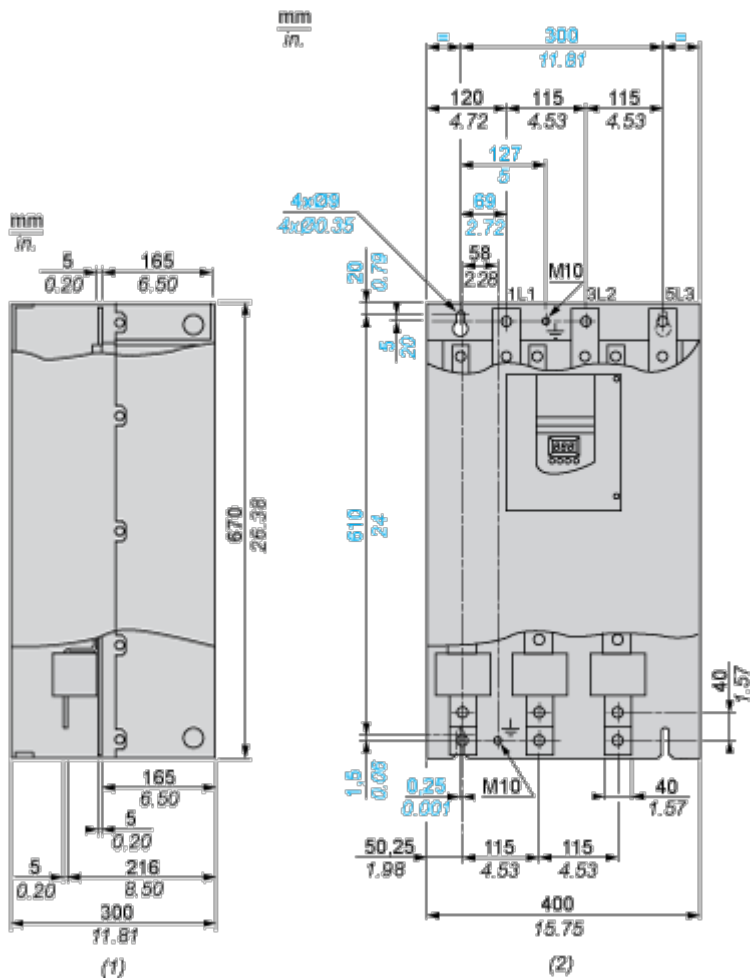
 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Product datasheet

**ATS48C48Y**

## Dimensions Drawings

## Dimensions



(1) Right View

(2) Front View

Mounting and Clearance

Clearance

