

# Product datasheet

Specifications



soft starter for asynchronous motor,  
Altistart 48, 77A, 208..690V,  
18.5..75kW

ATS48D88Y

⚠ Discontinued on: 31 Mar 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	22 kW at 230 V for standard applications 37 kW at 400 V for severe applications 37 kW at 440 V for severe applications 45 kW at 400 V for standard applications 45 kW at 440 V for standard applications 45 kW at 500 V for severe applications 45 kW at 525 V for severe applications 55 kW at 500 V for standard applications 55 kW at 525 V for standard applications 55 kW at 660 V for severe applications 55 kW at 690 V for severe applications 75 kW at 660 V for standard applications 75 kW at 690 V for standard applications 18.5 kW at 230 V for severe applications
Motor Power Hp	20 hp at 208 V for severe applications 25 hp at 208 V for standard applications 25 hp at 230 V for severe applications 30 hp at 230 V for standard applications 50 hp at 460 V for severe applications 60 hp at 460 V for standard applications 60 hp at 575 V for severe applications 75 hp at 575 V for standard applications

## Complementary

Device Connection	In the motor supply line
Protection Type	Phase failure: line External thermal protection: motor External 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	DNV CCC TCF CSA C-Tick SEPRO GOST UL NOM 117
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	290 mm
Width	190 mm
Depth	235 mm
Net Weight	8.3 kg

## Environment

Electromagnetic Compatibility	Conducted and radiated emissions level A conforming to IEC 60947-4-2 Conducted and radiated emissions level B 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	30.5 cm
Package 1 Width	36.5 cm
Package 1 Length	40.0 cm
Package 1 Weight	10.455 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	33.91 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 >](#)

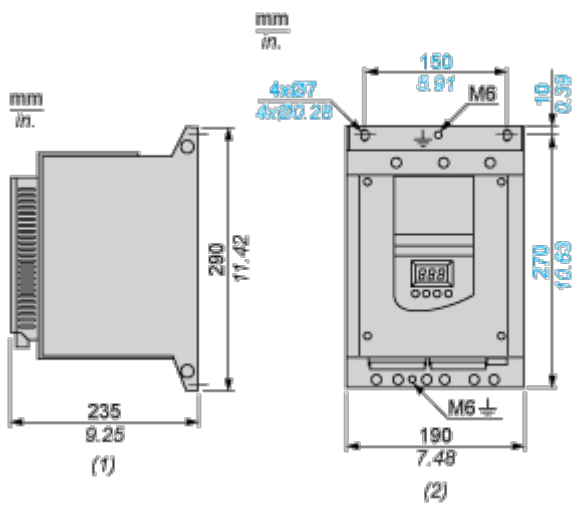
[Guide to assess a product's sustainability >](#)

## 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

Dimensions Drawings

Dimensions



(1) Right View  
(2) Front View

Mounting and Clearance

Clearance

