

# Product data sheet

Specifications



## soft starter for asynchronous motor, Altistart 48, 180A, 208 to 690V, 45 to 200kW

ATS48C21Y

! Discontinued - Service only

! Discontinued on: Aug 7, 2023

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

**Product availability: Stock - Normally stocked in distribution facility**

## 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 400 V for standard applications 110 kW 440 V for standard applications 110 kW 500 V for severe applications 110 kW 525 V for severe applications 132 kW 500 V for standard applications 132 kW 525 V for standard applications 132 kW 660 V for severe applications 160 kW 660 V for standard applications 160 kW 690 V for severe applications 200 kW 690 V for standard applications 45 kW 230 V for severe applications 55 kW 230 V for standard applications 90 kW 400 V for severe applications 90 kW 440 V for severe applications
Maximum Horse Power Rating	125 hp 460 V for severe applications 150 hp 460 V for standard applications 150 hp 575 V for severe applications 200 hp 575 V for standard applications 50 hp 208 V for severe applications 60 hp 208 V for standard applications 60 hp 230 V for severe applications 75 hp 230 V for standard applications

## Complementary

Device connection	In the motor supply line
Protection type	Phase failure line Thermal protection motor Thermal protection starter
Standards	IEC 60947-4-2

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Product Certifications</b>	DNV GOST SEPRO TCF UL CCC NOM 117 C-tick CSA
<b>Marking</b>	CE
<b>Discrete input number</b>	5
<b>Discrete input type</b>	PTC, 750 Ohm 77 °F (25 °C) Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm
<b>Discrete input logic</b>	Positive logic Stop, Run, LI3, LI4 < 5 V <= 2 mA > 11 V, >= 5 mA
<b>Minimum switching current</b>	10 mA 6 V DC relay outputs
<b>Discrete output number</b>	2
<b>Discrete output type</b>	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
<b>Analogue output type</b>	Current output AO 0-20 mA or 4-20 mA 500 Ohm
<b>Communication Port Protocol</b>	Modbus
<b>Connector Type</b>	1 RJ45
<b>Communication data link</b>	Serial
<b>Physical interface</b>	RS485 multidrop
<b>Transmission Rate</b>	4800, 9600 or 19200 bps
<b>Function Available</b>	External bypass (optional)
<b>Operating position</b>	Vertical +/- 10 degree
<b>Height</b>	15.0 in (380 mm)
<b>Width</b>	12.6 in (320 mm)
<b>Depth</b>	10.4 in (265 mm)
<b>Product Weight</b>	40.1 lb(US) (18.2 kg)

## Environment

<b>Electromagnetic compatibility</b>	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
<b>Relative humidity</b>	0...95 % without condensation or dripping water IEC 60068-2-3
<b>Ambient air temperature for operation</b>	104...140 °F (40...60 °C) (with current derating of 2 % per °C) 14...104 °F (-10...40 °C) (without derating)
<b>Ambient Air Temperature for Storage</b>	-13...158 °F (-25...70 °C)
<b>Operating altitude</b>	<= 3280.84 ft (1000 m) without derating > 3280.84...6561.68 ft (> 1000...2000 m) with current derating of 2.2 % per additional 100 m

## Ordering and shipping details

<b>Category</b>	US1CP1G22579
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<b>Discount Schedule</b>	CP1G
<b>GTIN</b>	3389110982404
<b>Returnability</b>	Yes
<b>Country of origin</b>	US

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	16.929 in (43.000 cm)
<b>Package 1 Width</b>	18.110 in (46.000 cm)
<b>Package 1 Length</b>	20.079 in (51.000 cm)
<b>Package weight(Lbs)</b>	50.706 lb(US) (23.000 kg)

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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

A01d337b-c90b-487d-914d-434d8cb11437

EU RoHS Directive

[Compliant By Exemption](#)

California proposition 65

**WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

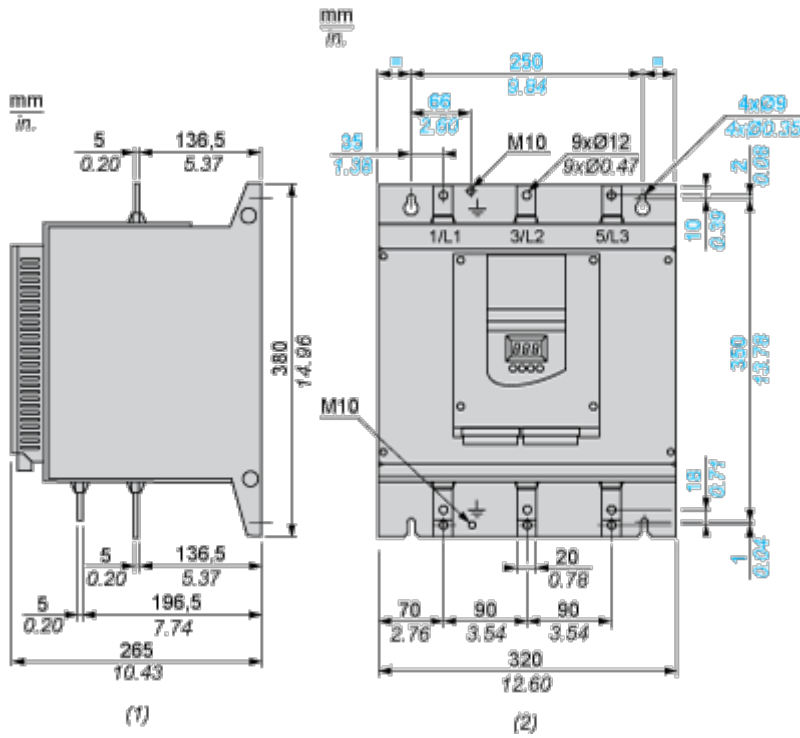
WEEE Label



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

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