

Product data sheet

Specifications



soft starter for asynchronous motor,
Altistart 48, 1170A, 208..690V,
250..900kW

ATS48M12Y

! Discontinued

! Discontinued on: Jun 13, 2023

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

Product availability: Non-Stock - Not 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	250 kW 230 V for severe applications 355 kW 230 V for standard applications 500 kW 400 V for severe applications 630 kW 400 V for standard applications 630 kW 440 V for severe applications 630 kW 500 V for severe applications 630 kW 525 V for severe applications 710 kW 440 V for standard applications 800 kW 500 V for standard applications 800 kW 525 V for standard applications 900 kW 660 V for severe applications 900 kW 690 V for severe applications
Maximum Horse Power Rating	1000 hp 460 V for standard applications 1000 hp 575 V for severe applications 1200 hp 575 V for standard applications 350 hp 208 V for severe applications 350 hp 230 V for severe applications 400 hp 208 V for standard applications 450 hp 230 V for standard applications 800 hp 460 V for severe 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

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

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	GOST CSA C-tick UL TCF NOM 117 DNV CCC SEPRO
Marking	CE
Discrete Input Number	5
Discrete Input Type	PTC, 750 Ohm 77 °F (25 °C) Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm
Discrete Input Logic	Positive logic Stop, Run, LI3, LI4 < 5 V <= 2 mA > 11 V, >= 5 mA
Minimum Switching Current	10 mA 6 V DC 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 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	35.04 in (890 mm)
Width	30.31 in (770 mm)
Depth	12.40 in (315 mm)
Net Weight	253.53 lb(US) (115 kg)

Environment

Electromagnetic Compatibility	Conducted and radiated emissions level A IEC 60947-4-2 Damped oscillating waves level 3 IEC 61000-4-12 Electrostatic discharge level 3 IEC 61000-4-2 Immunity to electrical transients level 4 IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 IEC 61000-4-3 Voltage/current impulse level 3 IEC 61000-4-5
Relative Humidity	0...95 % without condensation or dripping water EN/IEC 60068-2-3
Ambient Air Temperature For Operation	104...140 °F (40...60 °C) with current derating of 2 % per °C 14...104 °F (-10...40 °C) without derating
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Operating Altitude	<= 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

Category	US1CP1G22579
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Discount Schedule	CP1G
Gtin	3389110982589
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	24.41 in (62.0 cm)
Package 1 Width	72.05 in (183.0 cm)
Package 1 Length	35.43 in (90.0 cm)
Package 1 Weight	388.01 lb(US) (176.0 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-CO₂ 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 >](#)

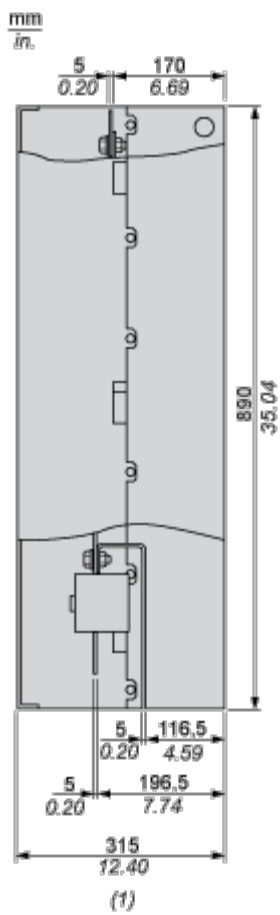
[Guide to assess a product’s sustainability >](#)

Well-being performance

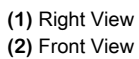
 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and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

Dimensions Drawings

Dimensions



ATS48M12Y



Mounting and Clearance

Clearance

