

Product data sheet Characteristics

ATS48M12Q

soft starter for asynchronous motor - ATS48 - 1045 A - 230..415 V - 250..710 KW



Main Range of product Altistart 48 Product or component Soft starter type Product destination Asynchronous motors Product specific Heavy duty industry and pumps application Device short name ATS48 AC-53A Utilisation category Ue power supply 230...415 V - 15...10 % voltage Power supply frequency 50...60 Hz - 5...5 % Motor power kW 630 KW at 400 V connection in the motor supply line for standard applications 710 KW at 400 V connection to the motor delta terminals for severe applications 250 KW at 230 V connection in the motor supply line for severe applications 355 KW at 230 V connection in the motor supply line for standard applications 500 KW at 230 V connection to the motor delta terminals for standard applications 500 kW at 400 V connection in the motor supply line for severe applications

Complementary

In the motor supply line To the motor delta terminals
Phase failure: line Thermal protection: motor Thermal protection: starter
EN/IEC 60947-4-2
UL[RETURN]CSA[RETURN]GOST[RETURN]TCF[RETURN]SEPRO[RETURN]DNV117[RETURN]CCC[RETURN]C-Tick
CE
5
PTC, 750 Ohm at 25 °C (Stop, Run, Ll3, Ll4) logic, <= 8 mA 4300 Ohm
Positive logic Stop, Run, LI3, LI4 at State 0: < 5 V and <= 2 mA at State 1: > 11 V, >= 5 mA
10 mA at 6 V DC for relay outputs
2
(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
Current output AO: 0-20 mA or 4-20 mA, impedance <500 Ohm
Modbus
1 RJ45
Serial
RS485 multidrop
4800, 9600 or 19200 bps

The information provided in this documentation contains general descriptions and/or technical chargenistics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, ergulation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible for misuse of the information contained herein.

Function available	External bypass (optional)
Operating position	Vertical +/- 10 degree
Height	890 mm
Width	770 mm
Depth	315 mm
Net weight	115 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	095 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for operation	4060 °C (with current derating of 2 % per °C) -1040 °C (without derating)
Ambient air temperature for storage	-2570 °C
Operating altitude	<= 1000 m without derating > 10002000 m with current derating of 2.2 % per additional 100 m

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	60.0 cm
Package 1 Width	90.0 cm
Package 1 Length	102.0 cm
Package 1 Weight	115.0 kg
Unit Type of Package 2	PAL
Number of Units in Package 2	1
Package 2 Height	60.0 cm
Package 2 Width	90.0 cm
Package 2 Length	102.0 cm
Package 2 Weight	126.0 kg

Offer Sustainability

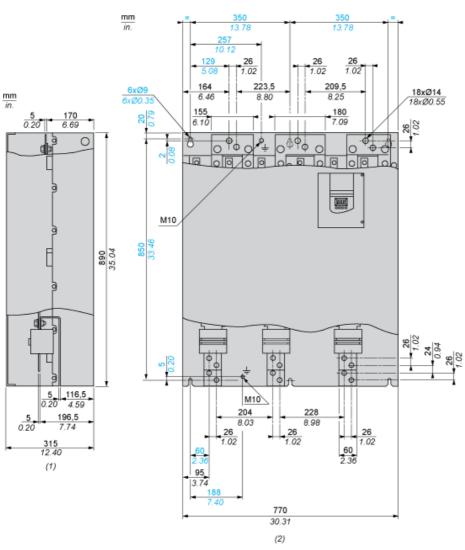
REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope)
Yes
☑ China RoHS Declaration
₽¥Yes
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

\Marranti,	10 months
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ATS48M12Q

Dimensions



- (1) Right View
- (2) Front View

Product data sheet Mounting and Clearance

ATS48M12Q

Clearance

