Product datasheet

Specifications



() Discontinued - Service only

soft starter for asynchronous motor, Altistart 48, 195A, 230 to 415V, 45 to 160kW

ATS48C21Q

() Discontinued on: 31-Dec-2023

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

Main

Mann		
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	230415 V - 1510 %	
power supply frequency	5060 Hz - 55 %	
Motor power kW	55 kW at 230 V connection in the motor supply line for standard applications 90 kW at 230 V connection to the motor delta terminals for severe applications 90 kW at 400 V connection in the motor supply line for severe applications 110 kW at 230 V connection to the motor delta terminals for standard applications 110 kW at 400 V connection in the motor supply line for standard applications 132 kW at 400 V connection to the motor delta terminals for severe applications 160 kW at 400 V connection to the motor delta terminals for standard applications 45 kW at 230 V connection in the motor supply line for severe applications	

Complementary

Device connection	To the motor delta terminals In the motor supply line	
Protection type	Phase failure: line Thermal protection: motor Thermal protection: starter	
Standards	IEC 60947-4-2	
Product certifications	GOST SEPRO CSA C-Tick NOM 117 TCF UL CCC DNV	
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, Ll3, Ll4 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	380 mm
Width	320 mm
Depth	265 mm
Net weight	18.2 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 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		

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	72.000 cm
Package 1 Width	80.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	21.000 kg

Contractual warranty

Warranty

18 months

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

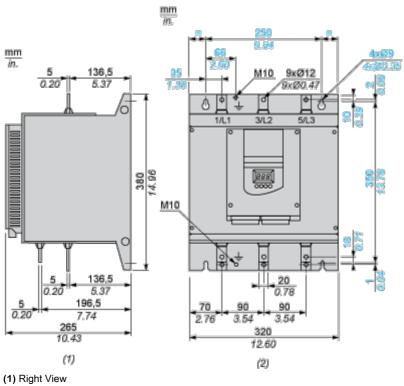
Materials and Substances		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
SCIP Number	A01d337b-c90b-487d-914d-434d8cb11437	
Use Again		
igcedown Repack and remanufacture		

WEEE

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions



(2) Front View

Product datasheet

Mounting and Clearance

Clearance

