# **Product datasheet**

Specifications



① Discontinued

## soft starter for asynchronous motor -ATS48 - 180 A - 208..690 V -45..200 KW

43...ZUU KV

386179244

ATS48C21Y

- () Discontinued on: 12 Jul 2023
- () To be end-of-service on: 31 Dec 2030

#### EAN Code: 3389110982404

#### Main

Walli	
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	208690 V - 1510 %
Power Supply Frequency	5060 Hz - 55 %
Motor Power Kw	<ul> <li>110 kW at 400 V for standard applications</li> <li>110 kW at 440 V for standard applications</li> <li>110 kW at 500 V for severe applications</li> <li>110 kW at 525 V for severe applications</li> <li>132 kW at 500 V for standard applications</li> <li>132 kW at 525 V for standard applications</li> <li>132 kW at 525 V for standard applications</li> <li>132 kW at 660 V for severe applications</li> <li>132 kW at 660 V for standard applications</li> <li>160 kW at 660 V for standard applications</li> <li>160 kW at 690 V for standard applications</li> <li>200 kW at 690 V for standard applications</li> <li>45 kW at 230 V for standard applications</li> <li>55 kW at 230 V for standard applications</li> <li>90 kW at 400 V for severe applications</li> </ul>
Motor Power Hp	125 hp at 460 V for severe applications 150 hp at 460 V for standard applications 150 hp at 575 V for severe applications 200 hp at 575 V for standard applications 50 hp at 208 V for severe applications 60 hp at 208 V for standard applications 60 hp at 230 V for severe applications 75 hp at 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	EN/IEC 60947-4-2

Product Certifications	DNV
	GOST
	SEPRO
	TCF
	UL
	CCC
	NOM 117
	C-Tick
	CSA
Marking	CE
Discrete Input Number	5
Discrete Input Type	PTC, 750 Ohm at 25 °C
	,
	(Stop, Run, Ll3, Ll4) 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
	51114
Minimum Switching Current	10 mA at 6 V DC for relay outputs
Discrete Output Number	2
Discusto Quitaut Turco	
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
	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 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**

Unit Type Of Package 1

Number Of Units In Package 1	1
Package 1 Height	43.000 cm
Package 1 Width	46.000 cm
Package 1 Length	51.000 cm
Package 1 Weight	23.000 kg

## **Contractual warranty**

Warranty

18 months

### **Sustainability**

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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 >

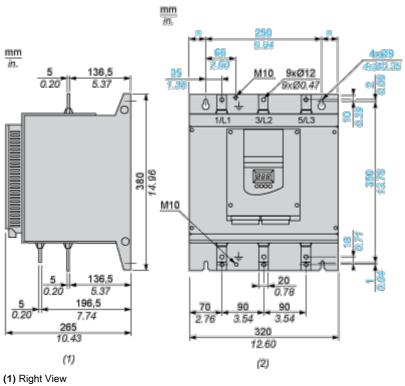
Guide to assess a product's sustainability >

### Well-being performance

Mercury Free	
Rohs Exemption Information	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

#### **Dimensions Drawings**

#### Dimensions



(2) Front View

### **Product datasheet**

### Mounting and Clearance

#### Clearance

