Product data sheet
Characteristics

ATS48C17Q
soft starter for asynchronous motor, Altistart 48, 162A, 230 to 415V, 37 to 132kW



Commercial status
End of Commercialisation :

⚠ End of Commercialisation

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
[Us] rated supply voltage	230...415 V - 15...10 %
Supply frequency	50...60 Hz - 5...5 %
Motor power kW	75 KW at 230 V connection to the motor delta terminals for severe applications 75 KW at 400 V connection in the motor supply line for severe applications 90 KW at 230 V connection to the motor delta terminals for standard applications 90 KW at 400 V connection in the motor supply line for standard applications 110 KW at 400 V connection to the motor delta terminals for severe applications 132 KW at 400 V connection to the motor delta terminals for standard applications 37 KW at 230 V connection in the motor supply line for severe applications 45 KW at 230 V connection in the motor supply line for standard 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	C-Tick[RETURN]NOM 117[RETURN]CCC[RETURN]GOST[RETURN]TCF[RETURN]DNV[RET
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, LI3, LI4 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	340 Mm
Width	200 Mm
Depth	265 Mm
Net weight	12.4 Kg

Environment

Electromagnetic compatibility	Conducted and radiated emissions level A conforming to IEC 60947-4-2 Conducted and radiated emissions level B 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	0…95 % without condensation or dripping water conforming to IEC 60068-2-3
Ambient air temperature for operation	40…60 °C (with current derating of 2 % per °C) -10…40 °C (without derating)
Ambient air temperature for storage	-25…70 °C
Operating altitude	<= 1000 m without derating > 1000...2000 m with current derating of 2.2 % per additional 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	43 Cm
Package 1 Width	33 Cm
Package 1 Length	46 Cm
Package 1 Weight	13.816 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Height	73.5 Cm
Package 2 Width	80 Cm
Package 2 Length	60 Cm
Package 2 Weight	40 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
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
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : Post commercialisation

ATS48C17Q may be replaced by any of the following products:



ATS480C17Y

Soft starter, Altistart 480, 170A, 208 to 690V AC, control supply 110 to 230V AC

Qty 1

Substitution date: |