Product data sheet
Characteristics

ATS48C66Q
soft starter for asynchronous motor, Altistart 48, 605A, 230 to 415V, 160 to 500kW



⚠ End of Commercialisation

Commercial status
End of Commercialisation : MAY 02, 2023

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	160 KW at 230 V connection in the motor supply line for severe applications 315 KW at 230 V connection to the motor delta terminals for standard applications 315 KW at 400 V connection in the motor supply line for severe applications 355 KW at 400 V connection in the motor supply line for standard applications 400 KW at 400 V connection to the motor delta terminals for severe applications 500 KW at 400 V connection to the motor delta terminals 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	DNV[RETURN]SEPRO[RETURN]TCF[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]N
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	670 Mm
Width	400 Mm
Depth	300 Mm
Net weight	51.4 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	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	39.0 Cm
Package 1 Width	59.0 Cm
Package 1 Length	78.0 Cm
Package 1 Weight	53.405 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	1
Package 2 Height	75.0 Cm
Package 2 Width	60.0 Cm
Package 2 Length	80.0 Cm
Package 2 Weight	63.32 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
SCIP Number	3439310f-1deb-4b4b-8667-1df94274da76
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 : End of commercialisation

ATS48C66Q may be replaced by any of the following products:



ATS480C66Y

Soft starter, Altistart 480, 660A, 208 to 690V AC, control supply 110 to 230V AC

Qty 1

Substitution date: |