Product data sheet
Characteristics

ATS48D22Y
soft starter for asynchronous motor, Altistart 48, 21A, 208 to 690V, 5.5 to 18.5kW



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	208...690 V - 15...10 %
Supply frequency	50...60 Hz - 5...5 %
Motor power kW	11 KW at 400 V for standard applications 11 KW at 440 V for standard applications 11 KW at 500 V for standard applications 11 KW at 525 V for standard applications 11 KW at 660 V for severe applications 15 KW at 660 V for standard applications 15 KW at 690 V for severe applications 4 KW at 230 V for severe applications 9 KW at 500 V for severe applications 9 KW at 525 V for severe applications 7.5 KW at 400 V for severe applications 7.5 KW at 440 V for severe applications 18.5 KW at 690 V for standard applications 5.5 KW at 230 V for standard applications
Motor power hp	10 Hp at 460 V for severe applications 15 Hp at 460 V for standard applications 15 Hp at 575 V for severe applications 20 Hp at 575 V for standard applications 3 Hp at 208 V for severe applications 5 Hp at 208 V for standard applications 5 Hp at 230 V for severe applications 7.5 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	IEC 60947-4-2
Product certifications	CSA[RETURN]SEPRO[RETURN]UL[RETURN]GOST[RETURN]NOM 117[RETURN]TCF[RETU
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	275 Mm
Width	160 Mm
Depth	190 Mm
Net weight	4.9 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	29 Cm
Package 1 Width	26 Cm
Package 1 Length	37 Cm
Package 1 Weight	6.053 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	8
Package 2 Height	73.5 Cm
Package 2 Width	80 Cm
Package 2 Length	60 Cm
Package 2 Weight	61.424 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
SCIP Number	Fb0e016f-7168-4cf9-816d-12b428ae149a
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

ATS48D22Y may be replaced by any of the following products:



ATS480D22Y

Soft starter, Altistart 480, 22A, 208 to 690V AC, control supply 110 to 230V AC

Qty 1

Substitution date: |