

ATS48M12Y

soft starter for asynchronous motor - ATS48 -
1170 A - 208..690 V - 250..900 KW

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 12720.00 USD



Main

Commercial Status	Commercialised
Range of product	Altistart 48
Product or component type	Soft starter
Product destination	Asynchronous motors
Product specific application	Pumping and ventilation machine Severe and standard applications
Component name	ATS48
[Us] rated supply voltage	208..690 V (- 15...10 %)
Motor power kW	900 kW at 690 V for severe applications 900 kW at 660 V for severe applications 800 kW at 525 V for standard applications 800 kW at 500 V for standard applications 710 kW at 440 V for standard applications 630 kW at 525 V for severe applications 630 kW at 500 V for severe applications 630 kW at 440 V for severe applications 630 kW at 400 V for standard applications 500 kW at 400 V for severe applications 355 kW at 230 V for standard applications 250 kW at 230 V for severe applications
Motor power hp	800 hp at 460 V for severe applications 450 hp at 230 V for standard applications 400 hp at 208 V for standard applications 350 hp at 230 V for severe applications 350 hp at 208 V for severe applications 1200 hp at 575 V for standard applications 1000 hp at 575 V for severe applications 1000 hp at 460 V for standard applications
Power dissipation in W	3497 W for standard applications 2865 W for standard applications
Utilisation category	AC-53A
Type of start	Start with torque control (current limited to 5 In)
IcL starter rating	1200 A for standard applications 1000 A for standard applications
IP degree of protection	IP00

Complementary

Assembly style	With heat sink
Function available	External bypass (optional)
Supply voltage limits	177...759 V
Supply frequency	50...60 Hz (- 5...5 %)
Network frequency limits	47.5...63 Hz
Factory setting current	1170 A
Control circuit voltage	110 - 15 % to 230 + 10 %, 50/60 Hz
Control circuit consumption	80 W
Discrete output number	2

Discrete output type	(R3) relay outputs motor powered NO (R2) relay outputs end of starting relay NO (R1) relay outputs fault relay NO (LO2) logic output 0 V common configurable (LO1) logic output 0 V common configurable
Output absolute accuracy precision	+/- 5 %
Minimum switching current	Relay outputs 10 mA at 6 V DC
Maximum switching current	Relay outputs 1.8 A at 30 V DC inductive load, cos phi = 0.5, L/R = 20 ms Relay outputs 1.8 A at 230 V AC inductive load, cos phi = 0.5, L/R = 20 ms Logic output 0.2 A at 30 V DC
Discrete input number	5
Discrete input type	(Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm PTC, 750 Ohm at 77 °F (25 °C)
Discrete input voltage	24 V (<= 30 V)
Discrete input logic	(Stop, Run, LI3, LI4) positive logic state 0 < 5 V and < 2 mA, state 1 > 11 V and > 5 mA
Supply inrush current	Adjustable 0.4...1.3 Icl
Analogue output type	(AO) current output 0-20 mA or 4-20 mA <= 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
Installed device	31
Protection type	Thermal protection (starter) Thermal protection (motor) Phase failure (line)
Marking	CE
Type of cooling	Forced convection
Operating position	Vertical +/- 10 degree
Height	35.04 in (890 mm)
Width	30.31 in (770 mm)
Depth	12.4 in (315 mm)
Product weight	253.53 lb(US) (115 kg)

Environment

Electromagnetic compatibility	Voltage/Current impulse conforming to IEC 61000-4-5 level 3 Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3 level 3 Immunity to electrical transients conforming to IEC 61000-4-4 level 4 Electrostatic discharge conforming to IEC 61000-4-2 level 3 Damped oscillating waves conforming to IEC 61000-4-12 level 3 Conducted and radiated emissions conforming to IEC 60947-4-2 level A
Standards	EN/IEC 60947-4-2
Product certifications	CCC CSA C-Tick DNV GOST NOM 117 SEPRO TCF UL
Vibration resistance	1.5 mm (f = 2...13 Hz) conforming to EN/IEC 60068-2-6 1 gn (f = 13...200 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Noise level	60 dB
Pollution degree	Level 3 conforming to IEC 60664-1
Relative humidity	<= 95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for operation	14...104 °F (-10...40 °C) without derating > 104...140 °F (> 40...60 °C) with current derating of 2 % per °C

Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Operating altitude	> 3280.84...6561.68 ft (> 1000...2000 m) with current derating of 2.2 % per additional 100 m <= 3280.84 ft (1000 m) without derating

Ordering and shipping details

Category	22579 - OPEN ATS48 ALTISTART
Discount Schedule	CP1G
GTIN	00785901982586
Nbr. of units in pkg.	1
Package weight(Lbs)	387.20
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Contractual warranty

Period	18 months
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