



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
[Us] rated supply voltage	230...415 V - 15...10 %
Motor power kW	55 KW 400 V connection to the motor delta terminals for standard applications 11 KW 230 V connection in the motor supply line for severe applications 15 KW 230 V connection in the motor supply line for standard applications 22 KW 230 V connection to the motor delta terminals for severe applications 22 KW 400 V connection in the motor supply line for severe applications 30 KW 230 V connection to the motor delta terminals for standard applications 30 KW 400 V connection in the motor supply line for standard applications 45 KW 400 V connection to the motor delta terminals for severe applications
Power dissipation in W	153 W for severe applications 201 W for standard applications
Utilisation category	AC-53A
Type of start	Start with torque control (current limited to 5 In)
IcL starter rating	62 A connection in the motor supply line for standard applications 62 A connection in the motor supply line for severe applications 107 A connection to the motor delta terminals for standard applications 107 A connection to the motor delta terminals for severe applications
IP degree of protection	IP20

Complementary

Assembly style	With heat sink
Function available	External bypass (optional)
Supply voltage limits	195...456 V
Supply frequency	50...60 Hz - 5...5 %
Network frequency	47.5...63 Hz
Device connection	To the motor delta terminals In the motor supply line
Factory setting current	57 A
[Uc] control circuit voltage	220 - 15 % to 415 + 10 %, 50/60 Hz
Control circuit consumption	30 W
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
Output absolute accuracy precision	+/- 5 %
Minimum switching current	10 MA 6 V DC relay outputs
Maximum switching current	Logic output 0,2 A 30 V DC Relay outputs 1,8 A 230 V AC inductive, cos phi = 0.5 20 ms Relay outputs 1,8 A 30 V DC inductive, cos phi = 0.5 20 ms
Discrete input number	5
Discrete input type	PTC, 750 Ohm 25 °C Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm
Discrete input voltage	24 V <= 30 V
Discrete input logic	Positive logic Stop, Run, LI3, LI4 < 5 V <= 2 mA > 11 V, >= 5 mA
Supply inrush current	0.4...1.3 Icl adjustable
Analogue output type	Current output AO 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	Phase failure line Thermal protection motor Thermal protection starter
Marking	CE
Type of cooling	Forced convection
Operating position	Vertical +/- 10 degree
Height	290 Mm
Width	190 Mm
Depth	235 Mm
Net weight	8,3 Kg
Power range	15...25 KW 200...240 V 3 phases 30...50 KW 200...240 V 3 phases 30...50 KW 380...440 V 3 phases 55...100 KW 380...440 V 3 phases 7...11 KW 200...240 V 3 phases 15...25 KW 380...440 V 3 phases
Motor starter type	Soft starter

Environment

Electromagnetic compatibility	Conducted and radiated emissions level A IEC 60947-4-2 Conducted and radiated emissions level B IEC 60947-4-2 Damped oscillating waves level 3 IEC 61000-4-12 Electrostatic discharge level 3 IEC 61000-4-2 Immunity to electrical transients level 4 IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 IEC 61000-4-3 Voltage/Current impulse level 3 IEC 61000-4-5
Standards	EN/IEC 60947-4-2
Product certifications	TCF CSA DNV UL C-Tick NOM 117 CCC SEPRO GOST
Vibration resistance	1 gn 13...200 Hz)EN/IEC 60068-2-6 1.5 mm 2...13 Hz)EN/IEC 60068-2-6
Shock resistance	15 gn 11 ms EN/IEC 60068-2-27
Noise level	58 DB
Pollution degree	Level 3 IEC 60664-1
Relative humidity	0...95 % without condensation or dripping water EN/IEC 60068-2-3

Ambient air temperature for operation	40...60 °C with current derating of 2 % per °C) -10...40 °C without)
Ambient air temperature for storage	-25...70 °C
Operating altitude	<= 1000 m without > 1000...2000 m with current derating of 2.2 % per additional 100 m

Offer Sustainability

Tvaraus pasiūlymo statusas	„Green Premium“ gaminys
REACH direktyva	REACH Deklaracija
ES RoHS direktyva	Aktyvus laikymasis (gaminys nepatenka į ES RoHS teisinę aprėptį) ES RoHS deklaracija
Be gyvsidabrio	Taip
RoHS išimčių informacija	Taip
Kinijos RoHS direktyva	Kinijos RoHS Deklaracija
Aplinkosauginės informacijos atskleidimas	Produkto Aplinkosaugos Profilis
Žiedinės ekonomikos profilis	Eksplotavimo Ciklo Pabaigos Informacija
WEEE	Šį produktą Europos Sąjungos rinkose reikia utilizuoti perduodant į specialias surinkimo vietas ir negalima išmesti su buitinėmis atliekomis.

Contractual warranty

Garantija	18 months
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Product Life Status : **Commercialised**