

# Ficha técnica del producto

## Características

# ATS48C48Y

soft starter for asynchronous motor - ATS48 - 414  
A - 208..690 V - 110..500 KW



### Principal

Range of product	Altistart 48
Tipo de producto o componente	Arrancador suave
Destino del produc	Motores asíncronos
Product specific application	Cargas pesadas y bombeo
Nombre corto del dispositivo	ATS48
Tensión de alimentación	208...690 V (- 15...10 %)
Potencia del motor en kW	110 kW at 230 V for severe applications 132 kW at 230 V for standard applications 220 kW at 400 V for severe applications 220 kW at 440 V for severe applications 250 kW at 400 V for standard applications 250 kW at 440 V for standard applications 250 kW at 500 V for severe applications 250 kW at 525 V for severe applications 315 kW at 500 V for standard applications 315 kW at 525 V for standard applications 355 kW at 660 V for severe applications 400 kW at 660 V for standard applications 400 kW at 690 V for severe applications 500 kW at 690 V for standard applications
Motor power hp	125 hp at 208 V for severe applications 150 hp at 208 V for standard applications 150 hp at 230 V for severe applications 300 hp at 460 V for severe applications 350 hp at 460 V for standard applications 350 hp at 575 V for severe applications 400 hp at 575 V for standard applications
Power dissipation in W	For standard applications 1172 W For standard applications 1386 W
Categoría de empleo	AC-53A
Tipo de arranque	Arranque con control de par (corriente limitada a 5 In)
Intensidad nominal	410 A for standard applications 480 A for standard applications
IP degree of protection	IP00

### Complementario

Assembly style	Con disipación de calor
Función disponible	Desviación externa (opcional)

Límites de voltaje de alimentación	177...759 V
Frecuencia de alimentación	50...60 Hz (- 5...5 %)
Límites de frecuencia de suministro de energía	47,5...63 Hz
Conexión de dispositivo en env	En la línea sumin. motor
Ajuste de fábrica actual	414 A
Control circuit voltage	110 - 15 % to 230 + 10 %, 50/60 Hz
Consumo de circuito de control	80 W
Discrete output number	2
Salida discreta	(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
Precisión absoluta salida	+/- 5 %
Corriente mínima de conmutación	Relay outputs 10 mA at 6 V DC
Maximum switching current	Logic output 0.2 A at 30 V DC Relay outputs 1.8 A at 230 V AC inductive load, cos phi = 0.5, L/R = 20 ms Relay outputs 1.8 A at 30 V DC inductive load, cos phi = 0.5, L/R = 20 ms
Discrete input number	5
Entrada discreta	PTC, 750 Ohm at 25 °C (Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm
Voltaje entrada	24 V (<= 30 V)
Discrete input logic	Positive logic (Stop, Run, LI3, LI4) state 0 < 5 V and <= 2 mA, state 1 > 11 V and >= 5 mA
Intesidad de arranque	Adjustable 0.4...1.3 Icl
Tipo de salida analógica	(AO) salida corriente 0-20 mA o 4-20 mA <= 500 Ohm
Protocolo del puerto de comunicación	Modbus
Tipo de conector	1 RJ45
Enlace datos comunicación	Serie
Interface física	Multipunto RS485
Transmission rate	4800, 9600 o 19200 bps
Max número de nodos	31
Protection type	Phase failure (line) Thermal protection (motor) Thermal protection (starter)
Marcado	CE
Tipo de refrigeración	Convenc forzada
Posición de funcionamiento	Vertical +/- 10 grados
Altura	670 mm
Anchura	400 mm
Profundidad	300 mm
Peso del producto	51.4 kg
Motor power range AC-3	110...220 kW at 380...440 V 3 phases 110...220 kW at 200...240 V 3 phases 250...500 kW at 380...440 V 3 phases 250...500 kW at 480...500 V 3 phases
Motor starter type	Arrancador suave

## Entorno

Compatibilidad electromagnética	Conducted and radiated emissions conforming to IEC 60947-4-2 level A Damped oscillating waves conforming to IEC 61000-4-12 level 3 Electrostatic discharge conforming to IEC 61000-4-2 level 3 Immunity to electrical transients conforming to IEC 61000-4-4 level 4 Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3 level 3 Voltage/Current impulse conforming to IEC 61000-4-5 level 3
Standards	EN/IEC 60947-4-2
Certificaciones de producto	CCC CSA C-Tick

DNV  
GOST  
NOM 117  
SEPRO  
TCF  
UL

Resistencia a las vibraciones	1 gn (f = 13...200 Hz) conforming to EN/IEC 60068-2-6 1.5 mm (f = 2...13 Hz) conforming to EN/IEC 60068-2-6
Resistencia a los choques	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Nivel de ruido	55 dB
Pollution degree	Level 3 conforming to IEC 60664-1
Humedad relativa	0...95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temp for op	-10...40 °C sin desclasificación > 40...60 °C con desclasificación de corriente del 2% por cada °C
Temperatura ambiente de almacenamiento	-25...70 °C
Altitud máxima de funcionamiento	<= 1000 m without derating > 1000...2000 m with current derating of 2.2 % per additional 100 m

### Garantía contractual

Period	18 months
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