Specifications



soft starter for asynchronous motor -ATS01 - 44 A - 230..690V - 11..37 KW

ATS01N244LY

() Discontinued on: 23 Jul 2021

Main

Range of product	Altistart 01
Product or component type	Soft starter
Product destination	Asynchronous motors
Product specific application	Simple machine
Device short name	ATS01
Network number of phases	3 phases
[Us] rated supply voltage	230690 V - 1510 %
Motor power kW	11 kW, 3 phases at 230 V 22 kW, 3 phases at 400 V 37 kW, 3 phases at 690 V
Motor power hp	15 hp, 3 phases at 230 V 25 hp, 3 phases at 400 V 30 hp, 3 phases at 460 V 40 hp, 3 phases at 575 V
IcL starter rating	44 A
Utilisation category	AC-53B conforming to EN/IEC 60947-4-2
Current consumption	132 A at nominal load
Type of start	Start with voltage ramp
Power dissipation in W	22 W at full load and at end of starting 268 W in transient state

Complementary

Assembly style	With heat sink
Function available	Integrated bypass
Supply voltage limits	195759 V
Supply frequency	5060 Hz - 55 %
Network frequency	47.563 Hz
Output voltage	<= power supply voltage
[Uc] control circuit voltage	110 V AC +/- 10 %
Starting time	1 s / 360 12 s / 30 Adjustable from 1 to 25 s
Deceleration time symb	Adjustable from 1 to 25 s
Starting torque	3080 % of starting torque of motor connected directly on the line supply

Discrete input type	Internal (LI1, LI2, BOOST) stop, run and boost on start-up functions <= 8 mA
Discrete input voltage	24 V
Discrete input logic	Positive logic LI1, LI2, BOOST at State 0: <= 3 V at State 1: >= 10 V
Discrete output current	2 A DC-13 3 A AC-15
Discrete output type	Relay outputs R1A, R1C
Discrete output voltage	24 V DCrelay outputs 250 V ACrelay outputs
Minimum switching current	10 mA at 17 V DC for relay outputs
Display type	1 LED (green) for starter powered up 1 LED (yellow) for nominal voltage reached
Tightening torque	0.7 N.m 5 N.m
Electrical connection	Earth connection: tinned connector fixed using Ø 6 mm screws 4 mm screw clamp terminal - rigid with cable end 1 635 mm ² power circuit Screw connector - rigid with cable end 1 0.751.5 mm ² control circuit 4 mm screw clamp terminal - rigid without cable end 2 625 mm ² power circuit Screw connector - rigid without cable end 2 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible with cable end 1 425 mm ² power circuit Screw connector - flexible with cable end 1 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible with cable end 1 625 mm ² power circuit Screw connector - flexible without cable end 1 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible without cable end 1 625 mm ² power circuit Screw connector - flexible without cable end 2 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible with cable end 2 025 mm ² power circuit Screw connector - flexible with cable end 2 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible without cable end 2 416 mm ² power circuit Screw connector - flexible with cable end 2 0.751.5 mm ² control circuit 4 mm screw clamp terminal - flexible without cable end 2 625 mm ² power circuit Screw connector - flexible without cable end 2 0.751.5 mm ² control circuit
Marking	CE
Operating position	Vertical +/- 10 degree
Height	146 mm
Width	180 mm
Depth	126 mm
Product weight	2.4 kg
Compatibility code	ATS01N2

Environment

Electromagnetic compatibility	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 EMC immunity level 3 conforming to EN 50082-1 EMC immunity level 3 conforming to EC 1000-3-2 Harmonics conforming to IEC 1000-3-4 Immunity to conducted interference caused by radio-electrical fields level 3 conforming to IEC 61000-4-6 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 Micro-cuts and voltage fluctuation level 3 conforming to IEC 61000-4-1 Voltace(current impulse level 3 conforming to IEC 61000-4-5
Standards	EN/IEC 60947-4-2
Product certifications	GOST UL C-Tick CCC CSA
IP degree of protection	On front panel: IP20
Pollution degree	3 conforming to IEC 60664-1 3 conforming to UL 508

Vibration resistance	2 gn
Shock resistance	8 gn for 11 ms conforming to EN/IEC 60068-2-27
Relative humidity	595 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for storage	-2570 °C conforming to EN/IEC 60947-4-2
Operating altitude	<= 2000 m without derating > 2000 m with current derating of 0.5 % per additional 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty

18 months