



❗ Discontinued

Commercial status

Discontinued on: 01 November 2020

End-of-service on: 03 November 2020

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	400 V - 15...10 %
Motor power kW	45 kW, 3 phases at 400 V
Motor power hp	50 hp, 3 phases at 400 V
IcL starter rating	85 A
Utilisation category	AC-53B conforming to EN/IEC 60947-4-2
Current consumption	255 A at nominal load
Type of start	Start with voltage ramp
Power dissipation in W	23 W at full load and at end of starting 514 W in transient state

Complementary

Assembly style	With heat sink
Function available	Integrated bypass
Supply voltage limits	340...440 V
Supply frequency	50...60 Hz - 5...5 %
Network frequency	47.5...63 Hz
Output voltage	<= power supply voltage
[Uc] control circuit voltage	Built into the starter
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	30...80 % 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	5 N.m 0.7 N.m
Electrical connection	Earth connection: tinned connector fixed using Ø 6 mm screws 4 mm screw clamp terminal - rigid 1 6...35 mm² power circuit Screw connector - rigid 1 0.75...1.5 mm² control circuit 4 mm screw clamp terminal - rigid 2 6...25 mm² power circuit Screw connector - rigid 2 0.75...1.5 mm² control circuit 4 mm screw clamp terminal - flexible with cable end 1 4...25 mm² power circuit Screw connector - flexible with cable end 1 0.75...1.5 mm² control circuit 4 mm screw clamp terminal - flexible without cable end 1 6...25 mm² power circuit Screw connector - flexible without cable end 1 0.75...1.5 mm² control circuit 4 mm screw clamp terminal - flexible with cable end 2 4...16 mm² power circuit Screw connector - flexible with cable end 2 0.75...1.5 mm² control circuit 4 mm screw clamp terminal - flexible without cable end 2 6...25 mm² power circuit Screw connector - flexible without cable end 2 0.75...1.5 mm² control circuit
Marking	CE
Operating position	Vertical +/- 10 degree
Height	146 mm
Width	180 mm
Depth	126 mm
Net weight	3.8 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 conforming to EN 50082-1 EMC immunity conforming to EN 50082-2 Harmonics conforming to IEC 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 electrical transients level 4 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 conforming to IEC 61000-4-11 Voltage/current impulse level 3 conforming to IEC 61000-4-5
Standards	EN/IEC 60947-4-2
Product certifications	GOST B44.1-96/ASME A17.5 for starter wired to the motor delta terminal C-Tick UL 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	5...95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-25...70 °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
Package 1 Weight	4.355 kg
Package 1 Height	20 cm
Package 1 width	24.5 cm
Package 1 Length	32 cm

Contractual warranty

Warranty	18 months
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ATS01N285Q is replaced by:



Soft starters ATS22D88Q

soft starter-ATS22-control 220V-power 230V(22kW)/400...440V(45kW)

Qty 1