

# ATS01N285Q

soft starter for asynchronous motor - ATS01 - 85  
A - 400 V - 45 KW

Price\* : 1841.00 USD



ATS01N285Q has not been replaced. Please contact your customer care center for more information.

 Discontinued

## 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
Phase	3 phases
[Us] rated supply voltage	400 V - 15...10 %
Motor power kW	45 kW 3 phases 400 V
Motor power hp	50 hp 3 phases 400 V
IcL starter rating	85 A
Utilisation category	AC-53B 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 <= 3 V >= 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 DC relay outputs 250 V AC relay outputs
Minimum switching current	10 mA 17 V DC relay outputs
Display type	1 LED green starter powered up 1 LED yellow nominal voltage reached
Tightening torque	6.19 lbf.in (0.7 N.m) 44.25 lbf.in (5 N.m)
Electrical connection	Earth connection: tinned connector fixed using Ø 6 mm screws 4 mm screw clamp terminal rigid 1 6...35 mm <sup>2</sup> power circuit Screw connector rigid 1 0.75...1.5 mm <sup>2</sup> control circuit 4 mm screw clamp terminal rigid 2 6...25 mm <sup>2</sup> power circuit Screw connector rigid 2 0.75...1.5 mm <sup>2</sup> control circuit 4 mm screw clamp terminal flexible with cable end 1 4...25 mm <sup>2</sup> power circuit Screw connector flexible with cable end 1 0.75...1.5 mm <sup>2</sup> control circuit 4 mm screw clamp terminal flexible without cable end 1 6...25 mm <sup>2</sup> power circuit Screw connector flexible without cable end 1 0.75...1.5 mm <sup>2</sup> control circuit 4 mm screw clamp terminal flexible with cable end 2 4...16 mm <sup>2</sup> power circuit Screw connector flexible with cable end 2 0.75...1.5 mm <sup>2</sup> control circuit 4 mm screw clamp terminal flexible without cable end 2 6...25 mm <sup>2</sup> power circuit Screw connector flexible without cable end 2 0.75...1.5 mm <sup>2</sup> control circuit
Marking	CE
Operating position	Vertical +/- 10 degree
Height	5.75 in (146 mm)
Width	7.09 in (180 mm)
Depth	4.96 in (126 mm)
Product weight	8.38 lb(US) (3.8 kg)
Compatibility code	ATS01N2

## Environment

Electromagnetic compatibility	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 Conducted and radiated emissions level B IEC 60947-4-2 EMC immunity EN 50082-2 Harmonics IEC 1000-3-2 Harmonics IEC 1000-3-4 Immunity to conducted interference caused by radio-electrical fields level 3 IEC 61000-4-6 Micro-cuts and voltage fluctuation IEC 61000-4-11 EMC immunity EN 50082-1
Standards	EN/IEC 60947-4-2
Product certifications	CCC CSA UL GOST C-Tick B44.1-96/ASME A17.5 for starter wired to the motor delta terminal
IP degree of protection	IP20 on front panel
Pollution degree	3 IEC 60664-1 3 UL 508
Vibration resistance	2 gn
Shock resistance	8 gn 11 ms EN/IEC 60068-2-27
Relative humidity	5...95 % without condensation or dripping water EN/IEC 60068-2-3
Ambient air temperature for operation	32...131 °F (0...55 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C) EN/IEC 60947-4-2
Operating altitude	<= 6561.68 ft (2000 m) without derating > 6561.68 ft (2000 m) with current derating of 0.5 % per additional 100 m

### Ordering and shipping details

Category	22392 - ATSU01/ATS01 LOW HP SOFT STARTERS
Discount Schedule	I11
GTIN	00785901605232
Nbr. of units in pkg.	1
Package weight(Lbs)	9.779999999999994
Returnability	N
Country of origin	FR

### Contractual warranty

Warranty period	18 months
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