www.BaBaedison.com / ۰۹۱۲-۰۰ ۶۷ ۲۷ ۸ / ۴۰۰ داخلی ۲۵۰ ۲۰ ۲۰ داخلی ۹۲۱ مین کننده تجهیزات برق صنعتی / ۱۲۰۰۰۰۵۲ داخلی ۲۰۰۰ ۲۰ ۲۷ ۸

Product datasheet

Specifications



soft starter for asynchronous motor - ATS01 - 9 A - 380..415 V - 4 KW

Local distributor code: 389528850

ATS01N209QN

EAN Code: 3389110667233

Main

Range Of Produc	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	380415 V - 1010 %		
Motor Power Kw	4 kW, 3 phases at 380415 V		
Icl Starter Rating	9 A		
Utilisation Category	AC-53B conforming to EN/IEC 60947-4-2		
Current Consumption	45 A at nominal load		
Type Of Start	Start with voltage ramp		
Power Dissipation In W	4 W at full load and at end of starting 94 W in transient state		

Complementary

Assembly Style	With heat sink		
Function Available	Integrated bypass 342456 V		
Supply Voltage Limits			
Supply Frequency	5060 Hz - 55 %		
Network Frequency	47.563 Hz		
Output Voltage	<= power supply voltage		
[Uc] Control Circuit Voltage	Built into the starter		
Starting Time	1 s / 100 5 s / 20 10 s / 10 Adjustable from 1 to 10 s		
Deceleration Time Symb	Adjustable from 1 to 10 s		
Starting Torque	3080 % of starting torque of motor connected directly on the line supply		
Discrete Input Type	Logic (LI1, LI2, BOOST) stop, run and boost on start-up functions <= 8 mA 27 kOhm		
Discrete Input Voltage	2440 V		
Discrete Input Logic	Positive LI1, LI2, BOOST at State 0: < 5 V and <= 0.2 mA at State 1: > 13 V, >= 0.5 mA		

Discrete Output Current	2 A DC-13 3 A AC-15		
Discrete Output Type	Open collector logic LO1 end of starting signal Relay outputs R1A, R1C NO		
Discrete Output Voltage	24 V (voltage limits: 630 V) open collector logic		
Minimum Switching Current	10 mA at 6 V DC for relay outputs		
Maximum Switching Current	Relay outputs: 2 A at 250 V AC cos phi = 0.5 and $L/R = 20$ ms inductive load Relay outputs: 2 A at 30 V DC cos phi = 0.5 and $L/R = 20$ ms inductive load		
Display Type	1 LED (green) for starter powered up 1 LED (yellow) for nominal voltage reached		
Tightening Torque	0.5 N.m 1.92.5 N.m		
Electrical Connection	4 mm screw clamp terminal - rigid 1 110 mm ² AWG 8 power circuit Screw connector - rigid without cable end 1 0.52.5 mm ² AWG 14 control circuit 4 mm screw clamp terminal - rigid 2 16 mm ² AWG 10 power circuit Screw connector - rigid 2 0.51 mm ² AWG 17 control circuit Screw connector - flexible with cable end 1 0.51.5 mm ² AWG 16 control circuit 4 mm screw clamp terminal - flexible without cable end 1 1.510 mm ² AWG 8 power circuit Screw connector - flexible without cable end 1 0.52.5 mm ² AWG 14 control circuit 4 mm screw clamp terminal - flexible with cable end 2 16 mm ² AWG 10 power circuit 4 mm screw clamp terminal - flexible without cable end 2 16 mm ² AWG 10 power circuit 5 mm screw clamp terminal - flexible without cable end 2 1.56 mm ² AWG 10 power circuit 5 mm ² AWG 10 power circuit		
Marking	CE		
Operating Position	Vertical +/- 10 degree		
Height	124 mm		
Width	45 mm		
Depth	131 mm		
Net Weight	0.42 kg		
Compatibility Code	ATS01N2		
Motor Power Range Ac-3	46 kW at 380440 V 3 phases		
Motor Starter Type	Soft starter		
Environment			
Electromagnetic Compatibility	Conducted and radiated emissions level B conforming to CISPR 11 Conducted and radiated emissions level B conforming to IEC 60947-4-2		

Electromagnetic Compatibility	Conducted and radiated emissions level B conforming to CISPR 11 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 B conforming to EN 50082-2
	Harmonics level 3 conforming to IEC 1000-3-2
	Harmonics level 3 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
	CCC
	CSA
	C-Tick
	UL
Ip Degree Of Protection	IP20

Pollution Degree

2 conforming to EN/IEC 60947-4-2

Vibration Resistance	1 gn (f= 13150 Hz) conforming to EN/IEC 60068-2-6 1.5 mm peak to peak (f= 313 Hz) conforming to EN/IEC 60068-2-6			
Shock Resistance	15 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 Operation	-1040 °C (without derating) 4050 °C (with current derating of 2 % per °C).			
Ambient Air Temperature For Storage	-2570 °C conforming to EN/IEC 60947-4-2			
Operating Altitude	<= 1000 m without derating > 1000 m with current derating of 2.2 % per additional 100 m			

Packing Units

•		
Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	5.300 cm	
Package 1 Width	15.200 cm	
Package 1 Length	17.300 cm	
Package 1 Weight	535.000 g	
Unit Type Of Package 2	S03	
Number Of Units In Package 2	14	
Package 2 Height	30 cm	
Package 2 Width	30 cm	
Package 2 Length	40 cm	
Package 2 Weight	8.053 kg	
Unit Type Of Package 3	P06	
Number Of Units In Package 3	112	
Package 3 Height	75.000 cm	
Package 3 Width	60.000 cm	
Package 3 Length	80.000 cm	
Package 3 Weight	74.124 kg	

Contractual warranty

Warranty

18 months

Sustainability

Green Premium[™] label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

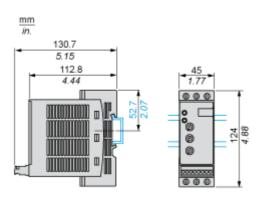
Well-being performan	ce
Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

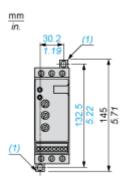
Dimensions Drawings

Dimensions

Mounting on Symetrical (35 mm) Rail



Screw Fixing



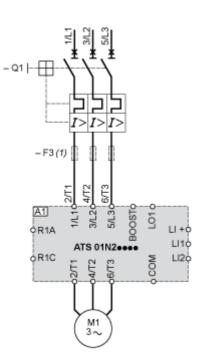
(1) Retractable fixings

Product datasheet

ATS01N209QN

Connections and Schema

Example of Manual Control



- A1 : Soft start/soft stop unit
- (1) For type 2 coordination
- Q1 : Motor circuit-breaker
- F3: 3 fast-acting fuses

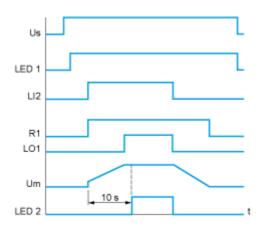
Product datasheet

ATS01N209QN

Technical Description

Function Diagram

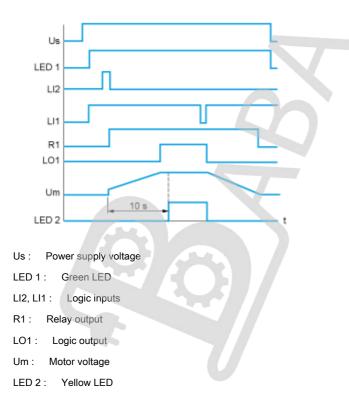
2-wire Control with Deceleration



Us : Power supply voltage

- LED 1 : Green LED
- LI2 : Logic input
- R1: Relay output
- LO1: Logic output
- LED 2 : Yellow LED

3-wire Control with Deceleration



كليككنيدى

بابا ادیسون تامین کننده تجهیزات بـرق صنعتی / ۳۵٬۰۰۰٬۱۲ داخلی ۴۰۰ / ۸ ۲۷ ۵۰ ۹۹۱٬۰۰۰ www.BaBaedison.com

7