ATS01N209QN
soft starter for asynchronous motor - ATS01 - 9 A - 380...415 V - 4 KW

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 152.00 USD
## Discrete input logic
- Positive LI1, LI2, BOOST < 5 V and <= 0.2 mA > 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 6...30 V open collector logic

## Minimum switching current
- 10 mA 6 V DC relay outputs

## Maximum switching current
- 2 A 250 V AC inductive cos phi = 0.5 20 ms relay outputs
- 2 A 30 V DC inductive cos phi = 0.5 20 ms relay outputs

## Display type
- 1 LED green starter powered up
- 1 LED yellow nominal voltage reached

## Tightening torque
- 4.42 lbf.in (0.5 N.m)
- 16.81...22.12 lbf.in (1.9...2.5 N.m)

## Electrical connection
- 4 mm screw clamp terminal rigid 1 1...10 mm² AWG 8 power circuit
- Screw connector rigid 1 0.5...2.5 mm² AWG 14 control circuit
- 4 mm screw clamp terminal rigid 2 1...6 mm² AWG 10 power circuit
- Screw connector rigid 2 0.5...1 mm² AWG 17 control circuit
- Screw connector flexible with cable end 1 0.5...1.5 mm² AWG 16 control circuit
- 4 mm screw clamp terminal flexible without cable end 1 1.5...10 mm² AWG 8 power circuit
- Screw connector flexible without cable end 1 0.5...2.5 mm² AWG 14 control circuit
- 4 mm screw clamp terminal flexible without cable end 2 1...6 mm² AWG 10 power circuit
- Screw connector flexible without cable end 2 0.5...1.5 mm² AWG 16 control circuit

## Marking
- CE

## Operating position
- Vertical +/- 10 degree

## Height
- 4.88 in (124 mm)

## Width
- 1.77 in (45 mm)

## Depth
- 5.16 in (131 mm)

## Product weight
- 0.93 lb(US) (0.42 kg)

## Compatibility code
- ATS01N2

## Motor power range AC-3
- 4...6 kW at 380...440 V 3 phases

## Motor starter type
- Soft starter

### 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 CISPR 11
- 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
- C-Tick
- GOST
- UL
- B44.1-96/ASME A17.5 for starter wired to the motor delta terminal

#### IP degree of protection
- IP20

#### Compatibility code
- ATS01N2

#### Motor power range AC-3
- 4...6 kW at 380...440 V 3 phases

#### Motor starter type
- Soft starter
Ambient air temperature for storage: -13...158 °F (-25...70 °C) EN/IEC 60947-4-2

Operating altitude:
<= 3280.84 ft (1000 m) without derating
> 3280.84 ft (1000 m) with current derating of 2.2 % per additional 100 m

Ordering and shipping details

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Offer Sustainability

California proposition 65
WARNING: This product can expose you to chemicals including:

- - - - - - Substance 1  Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

- - - - - - Substance 2  Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.

- - - - - - More information  For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period: 18 months
Dimensions

Mounting on Symetrical (35 mm) Rail

Screw Fixing

(1) Retractable fixings
Example of Manual Control

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

- **Us**: Power supply voltage
- **LED 1**: Green LED
- **LI2, LI1**: Logic inputs
- **R1**: Relay output
- **LO1**: Logic output
- **Um**: Motor voltage
- **LED 2**: Yellow LED