



## Galvenā

Produkta sērija	Altistart 01
Produkta vai sastāvdaļas veids	Soft starter
Produkta mērķa pielietojums	Asynchronous motors
Produkta specifiskais pielietojums	Simple machine
Ierīces īsais nosaukums	ATS01
Tīkla fāžu skaits	3 fāzes
[Us] rated supply voltage	380...415 V - 10...10 %
Motor power kW	3 KW, 3 fāzes 380...415 V 1,5 KW, 3 fāzes 380...415 V 2,2 kW, 3 fāzes 380...415 V
IcL starter rating	6 A
Utilisation category	AC-53B EN/IEC 60947-4-2
Pašreizējais patēriņš	30 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 64 W in transient state

## Papildinošs

Assembly style	With heat sink
Pieejamā funkcija	Integrated bypass
Supply voltage limits	342...456 V
Supply frequency	50...60 Hz - 5...5 %
Tīkla frekvence	47.5...63 Hz
Izvada spriegums	<= 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	30...80 % 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	24...40 V
Discrete input logic	Positive LI1, LI2, BOOST < 5 V <= 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 NĒ
Discrete output voltage	24 V 6...30 V) open collector logic
Minimum switching current	10 mA 6 V DC relay outputs
Maximum switching current	Relay outputs 2 A 250 V AC cos phi = 0.5 20 ms induktīvs Relay outputs 2 A 30 V DC cos phi = 0.5 20 ms induktīvs
Display type	1 LED zaļš)starter powered up 1 LED dzeltens)nominal voltage reached
Tightening torque	1,9...2,5 N.M 0,5 N.m

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Electrical connection	4 mm screw clamp terminal - stings 1 1...10 mm <sup>2</sup> AWG 8 strāvas ķēde Screw connector - stings without cable end 1 0.5...2.5 mm <sup>2</sup> AWG 14 control circuit 4 mm screw clamp terminal - stings 2 1...6 mm <sup>2</sup> AWG 10 strāvas ķēde Screw connector - stings 2 0.5...1 mm <sup>2</sup> AWG 17 control circuit Screw connector - elastīgs with cable end 1 0.5...1.5 mm <sup>2</sup> AWG 16 control circuit 4 mm screw clamp terminal - elastīgs without cable end 1 1.5...10 mm <sup>2</sup> AWG 8 strāvas ķēde Screw connector - elastīgs without cable end 1 0.5...2.5 mm <sup>2</sup> AWG 14 control circuit 4 mm screw clamp terminal - elastīgs with cable end 2 1...6 mm <sup>2</sup> AWG 10 strāvas ķēde 4 mm screw clamp terminal - elastīgs without cable end 2 1.5...6 mm <sup>2</sup> AWG 10 strāvas ķēde Screw connector - elastīgs without cable end 2 0.5...1.5 mm <sup>2</sup> AWG 16 control circuit
Marķējums	CE
Operating position	Vertical +/- 10 degree
Augstums	124 mm
Platums	45 mm
Dziļums	131 mm
Neto svars	0,42 kg
Compatibility code	ATS01N2
Motor power range AC-3	1,1...2 kW 380...440 V 3 fāzes 2,2...3 kW 380...440 V 3 fāzes
Motor starter type	Soft starter

## Vide

Electromagnetic compatibility	Conducted and radiated emissions level B CISPR 11 Conducted and radiated emissions level B IEC 60947-4-2 Damped oscillating waves level 3 IEC 61000-4-12 Electrostatic discharge level 3 IEC 61000-4-2 EMC immunity level 3 EN 50082-1 EMC immunity level B EN 50082-2 Harmonics level 3 IEC 1000-3-2 Harmonics level 3 IEC 1000-3-4 Immunity to conducted interference caused by radio-electrical fields level 3 IEC 61000-4-6 Immunity to electrical transients level 4 IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 IEC 61000-4-3 Micro-cuts and voltage fluctuation IEC 61000-4-11 Voltage/current impulse level 3 IEC 61000-4-5
Standarti	EN/IEC 60947-4-2
Produkta sertifikācija	UL[RETURN]CSA[RETURN]GOST[RETURN]C-Tick[RETURN]CCC
IP degree of protection	IP20
Pollution degree	2 EN/IEC 60947-4-2
Vibration resistance	1 gn 13...150 Hz)EN/IEC 60068-2-6 1.5 mm peak to peak 3...13 Hz)EN/IEC 60068-2-6
Shock resistance	15 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	-10...40 °C without derating) 40...50 °C with current derating of 2 % per °C)
Ambient air temperature for storage	-25...70 °C EN/IEC 60947-4-2
Operating altitude	<= 1000 m without derating > 1000 m with current derating of 2.2 % per additional 100 m

## Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,500 cm
1. iepakojuma platums	15,200 cm
1. iepakojuma garums	17,500 cm
1. iepakojuma svars	535,000 g
Otrā iepakojuma vienības tips	S03
Vienību skaits 2. iepakojumā	14

2. iepakojuma augstums	30,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	7,936 kg
Trešā iepakojuma vienības tips	P06
Vienību skaits 3. iepakojumā	112
3. iepakojuma augstums	75,000 cm
3. iepakojuma platums	60,000 cm
3. iepakojuma garums	80,000 cm
3. iepakojuma svars	74,124 kg

## Piedāvājiēt ilgtspēju

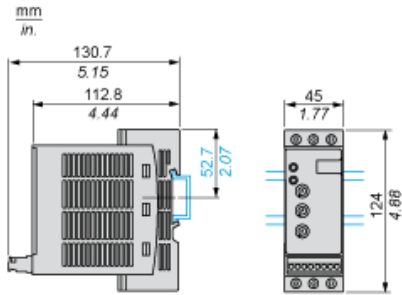
REACH regula	<a href="#">REACH Deklarācija</a>
Nesatur REACH SVHC	Jā
ES RoHS direktīva	Proaktīva atbilstība (uz izstrādājumu neattiecas ES RoHS juridiskās saistības) <a href="#">ES RoHS deklarācija</a>
Nesatur toksiskus smagos metālus	Jā
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	<a href="#">Ķīnas RoHS Deklarācija</a>
Informācija par RoHS izņēmumiem	<a href="#">Jā</a>
WEEE	Eiropas Savienības tirgū no šī produkta ir jāatbrīvojas, ievērojot noteiktu atkritumu savākšanas kārtību, un produkts nedrīkst nonākt sadzīves atkritumu tvertnēs.

## Līguma garantija

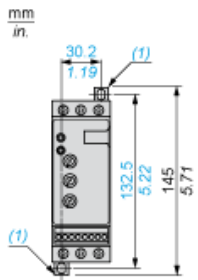
Garantija	18 months
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Dimensions

Mounting on Symetrical (35 mm) Rail

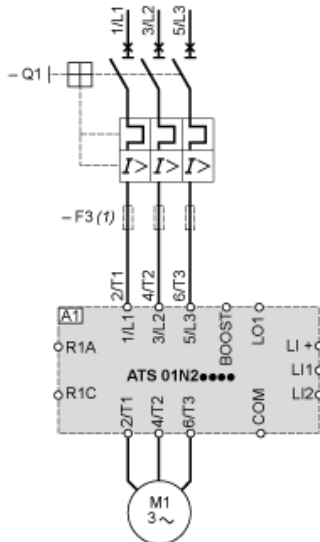


Screw Fixing



(1) Retractable fixings

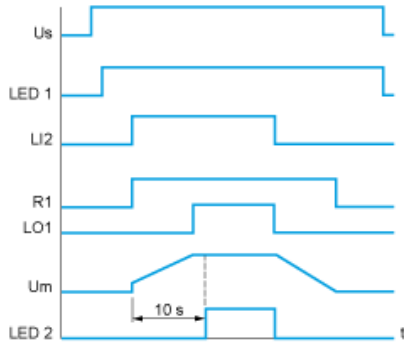
## Example of Manual Control



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

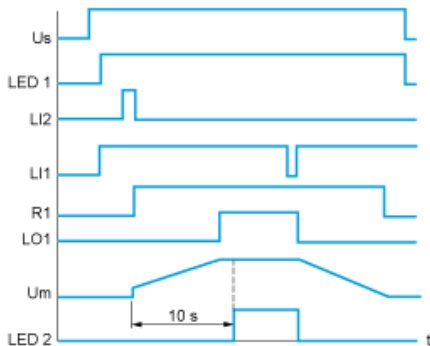
Function Diagram

2-wire Control with Deceleration



Us : Power supply voltage  
LED Green LED  
1 :  
LI2 : Logic input  
R1 : Relay output  
LO1 : Logic output  
LED Yellow LED  
2 :

3-wire Control with Deceleration



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