

Soft starters

Altistart 01

The *starting* solution...



For single-phase and 3-phase asynchronous motors
from 0.37 to 75 kW / 3 to 85 A.

Altistart 01

Welcome to the **Simply Smart*** world, compliments of **Telemecanique...**
The Altistart 01 combines **compactness** and **simplicity** for motor starters whilst providing complete smoothness.

The most compact in its category!

Put an end to surges that can cause unnecessary wear to your machines, adversely affect your production or even be the source of incidents!

Select soft starting and stopping for your asynchronous motors in **optimal conditions** for:

- the machine being driven,
- the mains supply,
- the motor.

Maximum simplicity!

- Very easy to set-up:
 - Simplified cabling and connection (same components as used for an electromechanical starter).
- Quick adjustments:
 - adjustable starting and deceleration times: 5 s or 10 s.
 - Adjustable unjamming torque.
- Simple diagnostics by two LEDs.
- Signalling on completion of starting.
- 24 V integrated power supply (ATS01N2...).

EMC pollution mastered

- Integrated bypass contactor.

Assured economy

- Save time with quick setting-up, prevent premature wear of your machines...

Functions related to **the requirements of your machine...**

For **suppressing torque surges on starting** (freewheel stop).



Altistart 01N1
from 3 to 25 A

- Minimum dimensions to further reduce the size of your enclosures.

Dimensions:
(up to 6 A)
width : 22,5 mm
height : 100 mm
depth : 100 mm

For suppressing torque surges on starting **and soft stopping.**

- Limitation of current peaks and suppression of voltage drops.



Altistart 01N2
from 6 to 85 A

- Starting-up assured using the "Boost" function (for difficult starting conditions).
- Plug-in connector for control part.

Dimensions:
(up to 12 A)
width : 45 mm
height : 124 mm
depth : 113 mm

For suppressing torque surges on starting, soft stopping... and for control at any instant of your application.



Altistart 01 model U
from 6 to 32 A

- Control, Protection, and Communication functions with **TeSys® model U**.



Standards and certifications

IEC/EN 60947-4-2, C-TICK



*Simply Smart: more ingenuity and intelligence for continually improving ease of use

Tailor-made *solutions*...

Ease of use with complete motor starters



- Circuit-breakers,
- Contactors....

Increase performance and simplify the design and setting-up of your installations by combining the Altistart 01 starter with Telemecanique components.

Guaranteed combinations!

- Selection guides with the various appropriate components.
- Circuit-breakers,
- Differential circuit-breakers,
- Contactors...

Simplified integration in enclosures

- Perfect mechanical assembly for ease of mounting.
- Minimum dimensions.

Optimal safety

- Magnetic protection in event of short-circuit
- Thermal protection in event of overload...

A small investment for *big advantages*

1st motor starter-controller: TeSys® model U.



Mounting kit
Simplified mounting,
optimised size.

With TeSys® model U, benefit from a unique motor starter solution:

- Perfect integration in automation systems
 - Information regarding the motor status.
 - Remote access to this information by bus or local access using the multifunction control unit and PowerSuite parametering software.
- Openness to applications provided by function modules.
- Advanced current protection features

...for your applications

■ Power: from 0.37 to 11 kW



Small compressors.

Fans.

Small conveyors.

Automatic doors...

Reduction of surges on starting:

- Suppression of mechanical wear by eliminating slipping belts.
- Increase in service life of machines.
- Reduction of mechanical shocks.

■ Power: from 0.75 to 75 kW



Pumps.

Fans.

Conveyors, mats.

Washing gantries...

■ Controlled deceleration:

- pressure surges eliminated,
- protection of loads being handled,
- soft stopping.

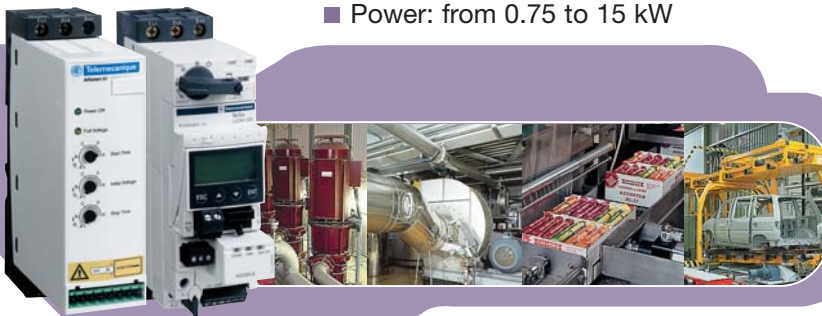
■ Limitation of current peaks on starting:

- reduction of power installed,
- voltage drops limited.

■ Starting "Boost":

- starting assured whatever the conditions (gantry).

■ Power: from 0.75 to 15 kW



Advanced systems.

Decentralised architectures.

Pumps.

Fans.

Conveyors.

Washing gantries...

- Open to all communication protocols.
- Be aware of the various machine states:
 - overload, underload,
 - machine wear (number of operations, operating time, etc.).
- Protection of motors.

Selection guide



Soft start units from 0.37 to 11 kW

3-phase 200 to 480 V

210 V	230 V	400 V	460 V	Nominal current	References	Dimensions	References
HP	kW/HP	kW	HP	A	Starter	width x height x depth	Circuit-breaker(1) Contactor
-	0.37/0.5	1.1	0.5	3	ATS 01N103FT	22.5 x 100 x 100 mm	GV2ME•• LC1K06 or LC1D09
-	0.55/-	-	1.5				
0.5	0.75/1	2.2	2	6	ATS 01N106FT	22.5 x 100 x 100 mm	GV2ME•• LC1K06 or LC1D09
-	1.1/1.5	-	3				
1	1.5/2	4	5	9	ATS 01N109FT	45 x 124 x 113 mm	GV2ME14 LC1K09 or LC1D09
1.5	2.2/3	5.5	7.5	12	ATS 01N112FT	45 x 124 x 113 mm	GV2ME16 LC1K12 or LC1D12
2-3	3-5.5/5-7.5	7.5-11	10-15	25	ATS 01N125FT	45 x 124 x 113 mm	GV2ME20 LC1D18

(1) Please refer to our catalogue to obtain the complete reference.

Soft start - soft stop units from 0.75 to 75 kW

3-phase 200 to 240 V / 380 to 415 V / 440 to 480 V

230 V	400 V	460 V	575 V	690 V	Nominal current	References	Dimensions	References
kW/HP	kW/HP	HP	HP	kW	A	Starter (1)	width x height x depth	Circuit-breaker (2) Contactor
0,75/1	1,5	2			6	ATS 01N206••	45 x 124 x 113 mm	GV2ME••
1,1/1,5	2,2	3						
1,5/2	3	5			9	ATS 01N209••	45 x 124 x 113 mm	GV2ME14
-	4	-						
2,2/3	5,5	7,5			12	ATS 01N212••	45 x 124 x 113 mm	GV2ME16
3/-	-	-						
4/5	7,5	10			22	ATS 01N222••	45 x 154 x 113 mm	GV2ME••
5,5/7,5	11	15						
7,5/10	15	20			32	ATS 01N232••	45 x 154 x 113 mm	GV2ME32
7,5/10	15/15	20	30	30	32	ATS 01N230LY	180 x 132 x 126 mm	GV3ME40+GV3A01 LC1D50
11/15	22/25	30	40	37	44	ATS 01N244LY	180 x 132 x 126 mm	GV3ME63+GV3A01 LC1D65
18,5/25	37/40	50	60	55	72	ATS 01N272LY	180 x 132 x 126 mm	GV3ME80+GV3A01 LC1D115
22/30	45/50	60	75	75	85	ATS 01N285LY	180 x 132 x 126 mm	GV7RE100+GV7A11 LC1D150
	22/25				44	ATS 01N244Q	180 x 242 x 126 mm	GV3ME40 ou GV3ME63 LC1D38 ou LC1D50
	37/40				72	ATS 01N272Q	180 x 242 x 126 mm	GV3ME63 ou GV3ME80 LC1D65 ou LCD80
	45/50				85	ATS 01N285Q	180 x 242 x 126 mm	GV3RE100 LC1D95

(1) To complete the reference, replace •• by: "LU" for 200 to 240 V / "QN" for 380 to 415 V / "RT" for 440 to 480 V.

(2) Please refer to our catalogue to obtain the complete reference.

Model U soft start - soft stop units from 0.75 to 15 kW combined with TeSys model U

3-phase 200 to 480 V

230 V	400 V	460 V	Nominal current	References	Dimensions	References
kW/HP	kW	HP	A	Model U starter	width x height x depth	TeSys model U starter-controller
						Power base Control unit (1)
0.75/1	1.5	2	6	ATS U01N206LT	45 x 124 x 113 mm	LUB12 LUC•05BL
1.1/1.5	2.2	3	6	ATS U01N206LT	45 x 124 x 113 mm	LUB12 LUC•12BL
1.5/2	3	-	9	ATS U01N209LT	45 x 124 x 113 mm	LUB12 LUC•12BL
-	4	5	9	ATS U01N209LT	45 x 124 x 113 mm	LUB12 LUC•12BL
2.2/3	-	-	12	ATS U01N212LT	45 x 124 x 113 mm	LUB12 LUC•12BL
3/-	5.5	7.5	12	ATS U01N212LT	45 x 124 x 113 mm	LUB32 LUC•18BL
4/5	7.5	10	22	ATS U01N222LT	45 x 154 x 113 mm	LUB32 LUC•18BL
5.5/7.5	11	15	22	ATS U01N222LT	45 x 154 x 113 mm	LUB32 LUC•32BL
7.5/10	15	20	32	ATS U01N232LT	45 x 154 x 113 mm	LUB32 LUC•32BL

(1) To complete the reference, replace the • by:

"A" for a standard unit, "M" for a multifunction unit or "B" for an updateable unit.

The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your **Automation** and **Control** applications requirements.

■ Soft start - soft stop units



Simple machines
Altistart 01: 0,37 to 75 kW
Altivar 11: 0,18 to 2,2 kW
Altivar 31: 0,18 to 15 kW



Complex, high power machines
Altivar 71: 0,37 to 500 kW



Pumping and ventilation machines
Altistart 48: 4 to 1 200 kW
Altivar 11...347: 0,18 to 2,2 kW
Altivar 21: 0,75 to 30 kW
Altivar 61: 37 to 220 kW



A worldwide presence

Constantly available

- More than 5 000 points of sale in 130 countries.
- You can be sure to find the range of products that are right for you and which complies fully with the standards in the country where they are used.

Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance, throughout the world.



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Simply Smart!