



Soft starter advanced  
ADXNP  
Asynchronous three phase

Product designation  
Product type designation  
Motor type

**Electrical features**

Supplies voltage

Type of system		Three phase
Rated supply voltage	V	208...600VAC
auxiliary supply voltage (Us)		100...240VAC
Rated frequency	Hz	50/60
Rated starter current Ie	A	6

Rated motor power

IEC ratings (T≤40°C)

230VAC	kW	1.1
400VAC	kW	2.2
500VAC	KW	3

UL ratings (T≤40°C)

220-240VAC	HP	1.5
380-415VAC	HP	2
440-480VAC	HP	3
550-600VAC	HP	5

Number of controlled phases

Nr. 2

Built-in bypass

Yes

Cooling System

Natural or forced (optional)

Rated insulation voltage Ui

V 600

**Programming interface**

Potentiometer

Settings: starting voltage, acceleration ramp, deceleration ramp. Note. Potentiometers can be disabled via NFC.

Display

No

Programming with NFC technology

Yes

Optical port

Yes

**Startup and stop settings**

Startup method

Voltage ramp with current limit

Stop method

Voltage ramp or free-wheel stop

Acceleration ramp

s 1-20

Deceleration ramp

s 0-20



SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BYPASS RELAY.  
AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 6A

## ADXNP006

Startup voltage	%	30-80
-----------------	---	-------

### Protections

Power supply Protection	No power line, phase loss, frequency out of limits, minimum and maximum voltage and phase sequence
-------------------------	--

Motor protection	Electronic current thermal protection (overload), locked rotor, current asymmetry, load too low, starting too long
------------------	--

Starter protection	Overtemperature and overcurrent
--------------------	---------------------------------

### Functions

Built-in bypass	2
Built-in display and keypad	Yes
Languages	No
View measurements	No
Torque control	No
Adjustable current limit	No
Dynamic braking	Yes
Kick Start function	No
Motor overload electronic protection	No
Motor protection PTC input	Yes
Protection against phase loss	No
Protection against phase inversion	Yes
Protection against locked rotor	Yes
Protection against thyristor overtemperature	Yes
Protection against low load	Yes
Programmable alarm	Yes
Digital inputs	Yes
Analog inputs	Yes
Digital outputs	No
Analog output	Yes
Monitoring communication	No
Optical port for programming	Optional
Event log	Yes
Motor hour counter	No
Startup counter	Yes
Clock calendar	Yes
Remote external keypad	No
Plug-in version	No

### Input and Output

Digital inputs	Number of digital input	Nr.	1
	Digital input type		Volt-free contact
	Digital input functions		Motor start



**SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BYPASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 6A**

**ADXNP006**

**Digital outputs**

Number of digital output	Nr.	2
Digital output arrangement		2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC
Digital output functions		Programmable: line contactor (Run), TOR (Top Of Ramp), alarm, max torque

**Communication interfaces**

Communication interface		NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol
-------------------------	--	---

**Ambient conditions**

**Temperature**

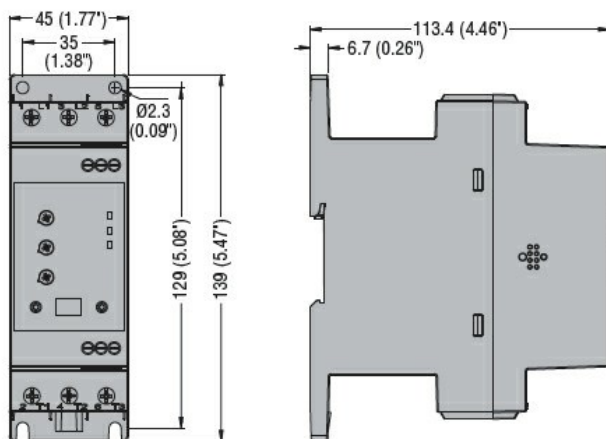
Operating temperature	min	°C	-20
	max	°C	+60°C (with current derating >40°C)
Storage temperature	min	°C	-30
	max	°C	+80

Max altitude	m	1000 without derating of the starter current
Relative humidity	%	<80%
Pollution degree		2
Installation category		III

**Housing**

Mounting		Screw-fixing or 35mm DIN rail (IEC/EN/BS 60715)
IP degree of protection		IP20
Dimensions (W x H x D)	mm	45 x 139 x 113.4
Weight	Kg	0.47

**Dimensions [mm (in)]**



**Certifications and compliance**

Compliance

CSA C22.2 n° 60947-4-2

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-2

UL 60947-4-2

Certificates

cULus

EAC

RCM (pending)

**ETIM classification**

ETIM 8.0

EC000640 - Soft starter

