



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)		24VAC/DC
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

Startup voltage	%	30-80
<b>Protections</b>		
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
<b>Functions</b>		
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		Yes
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

<b>Input and Output</b>		
Digital inputs	Number of digital input	Nr. 1
	Digital input type	Volt-free contact
	Digital input functions	Motor start

**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
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**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
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Relative humidity

%	<80%
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Pollution degree

	2
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Installation category

	III
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**Housing**

Mounting

	Screw-fixing or 35mm DIN rail (IEC/EN/BS 60715)
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IP degree of protection

	IP20
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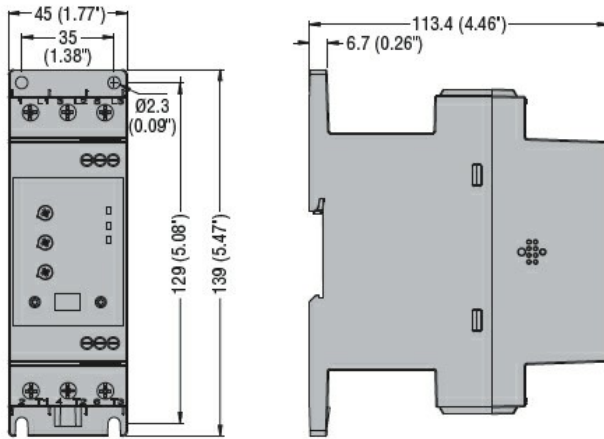
Dimensions (W x H x D)

mm	45 x 139 x 113.4
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Weight

Kg	0.47
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**Dimensions**



**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