



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	208...600VAC
auxiliary supply voltage (Us)	24VAC/DC
Rated frequency	50/60
Rated starter current Ie	30

Rated motor power

IEC ratings (T≤40°C)

230VAC	kW	7.5
400VAC	kW	15
500VAC	KW	18.5

UL ratings (T≤40°C)

220-240VAC	HP	10
380-415VAC	HP	15
440-480VAC	HP	20
550-600VAC	HP	25

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		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

## 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

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

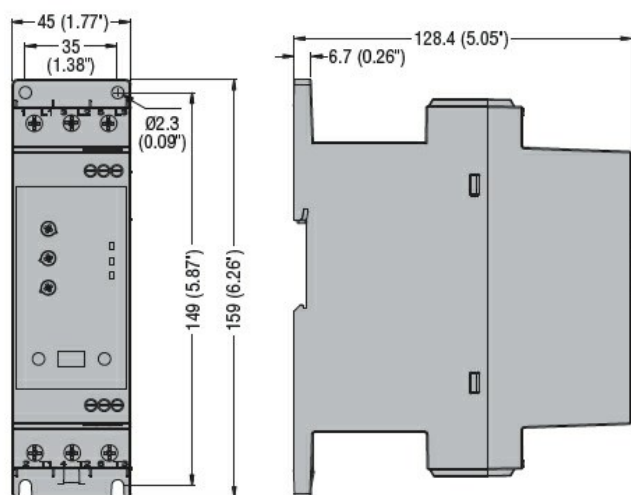
### Dimensions (W x H x D)

mm 45 x 159 x 128.4

### Weight

Kg 0.66

## 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