



Product designation
Product type designation
Motor type

Soft starter
advanced
ADXNP
Asynchronous
three phase

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 |

| | | |
|--|---|--|
| 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 |

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

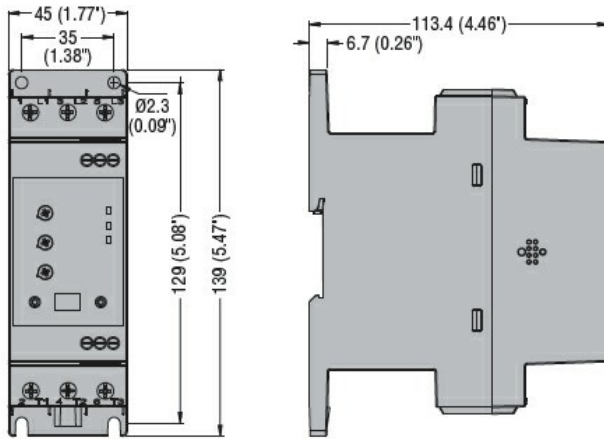
Dimensions (W x H x D)

mm 45 x 139 x 113.4

Weight

Kg 0.47

Dimensions



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