



Product designation
Product type designation
Motor type

Soft starter basic
ADXNB
Asynchronous
three phase

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 | 18 |
| Rated motor power | |
| IEC ratings (T≤40°C) | |
| 230VAC | kW 4 |
| 400VAC | kW 7.5 |
| 500VAC | KW 11 |
| UL ratings (T≤40°C) | |
| 220-240VAC | HP 5 |
| 380-415VAC | HP 10 |
| 440-480VAC | HP 10 |
| 550-600VAC | HP 15 |
| 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 |
| Display | No |
| Programming with NFC technology | No |
| Optical port | No |

Startup and stop settings

| | |
|-------------------|---------------------------------|
| Startup method | Voltage ramp |
| 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, phase
sequence
(configurable)

Starter protection

Overtemperature

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 | No |
| Kick Start function | No |
| Motor overload electronic protection | No |
| Motor protection PTC input | No |
| Protection against phase loss | No |
| Protection against phase inversion | Yes |
| Protection against locked rotor | Yes |
| Protection against thyristor overtemperature | No |
| Protection against low load | Yes |
| Programmable alarm | No |
| Digital inputs | No |
| Analog inputs | Yes |
| Digital outputs | No |
| Analog output | Yes |
| Monitoring communication | No |
| Optical port for programming | Optional |
| Event log | No |
| Motor hour counter | No |
| Startup counter | No |
| Clock calendar | No |
| 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 | | Line contactor (Run), TOR (Top Of Ramp) |

Communication interfaces

| | |
|-------------------------|----|
| Communication interface | No |
|-------------------------|----|

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

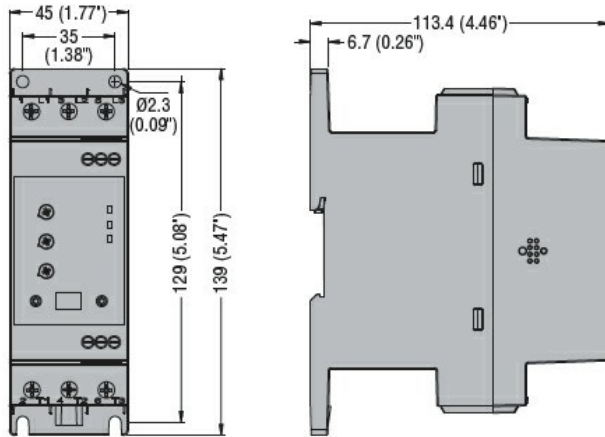
Dimensions (W x H x D)

mm 45 x 139 x 113.4

Weight

Kg 0.45

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