



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          | V   | 208...600VAC                 |
|                             | auxiliary supply voltage (Us) |     | 100...240VAC                 |
|                             | Rated frequency               | Hz  | 50/60                        |
| Rated starter current Ie    |                               | A   | 25                           |
| Rated motor power           |                               |     |                              |
|                             | IEC ratings (T≤40°C)          |     |                              |
|                             | 230VAC                        | kW  | 5.5                          |
|                             | 400VAC                        | kW  | 11                           |
|                             | 500VAC                        | KW  | 15                           |
|                             | UL ratings (T≤40°C)           |     |                              |
|                             | 220-240VAC                    | HP  | 7.5                          |
|                             | 380-415VAC                    | HP  | 10                           |
|                             | 440-480VAC                    | HP  | 15                           |
|                             | 550-600VAC                    | HP  | 20                           |
| 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<br>current derating<br>>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

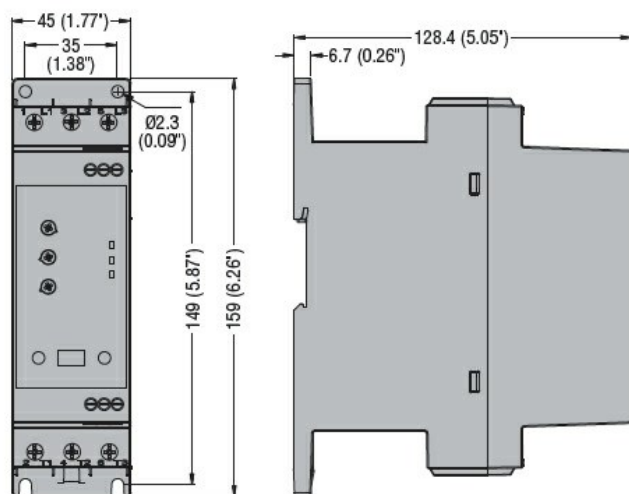
Dimensions (W x H x D)

mm 45 x 159 x 128.4

Weight

Kg 0.63

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