



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          | 208...600VAC |
| auxiliary supply voltage (Us) | 100...240VAC |
| Rated frequency               | 50/60        |
| Rated starter current Ie      | 45           |

Rated motor power

IEC ratings (T≤40°C)

|        |    |    |
|--------|----|----|
| 230VAC | kW | 11 |
| 400VAC | kW | 22 |
| 500VAC | KW | 30 |

UL ratings (T≤40°C)

|            |    |    |
|------------|----|----|
| 220-240VAC | HP | 15 |
| 380-415VAC | HP | 25 |
| 440-480VAC | HP | 30 |
| 550-600VAC | HP | 40 |

|                             |     |        |
|-----------------------------|-----|--------|
| Number of controlled phases | Nr. | 2      |
| Built-in bypass             |     | Yes    |
| Cooling System              |     | Forced |
| 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<br>current limit |
| Stop method       | Voltage ramp or<br>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

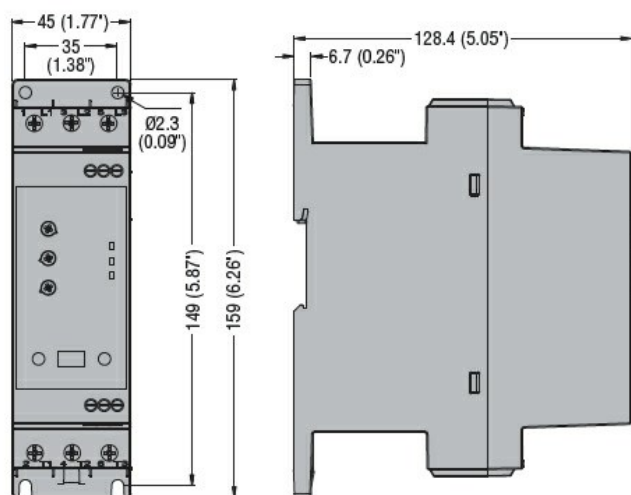
|     |    |     |
|-----|----|-----|
| min | °C | -30 |
| max | °C | +80 |

|                       |   |                                              |
|-----------------------|---|----------------------------------------------|
| Max altitude          | 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 159 x 128.4                                |
| Weight                  | Kg | 0.69                                            |

## 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