



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          | 38           |
| Rated motor power           | IEC ratings (T≤40°C)          |            |              |
|                             |                               | 230VAC     | kW 11        |
|                             |                               | 400VAC     | kW 18.5      |
|                             |                               | 500VAC     | KW 22        |
|                             | UL ratings (T≤40°C)           |            |              |
|                             |                               | 220-240VAC | HP 10        |
|                             |                               | 380-415VAC | HP 20        |
|                             |                               | 440-480VAC | HP 25        |
|                             |                               | 550-600VAC | HP 30        |
| 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 |
| 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

|   |  |
|---|--|
| m | 1000 without<br>derating of the<br>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

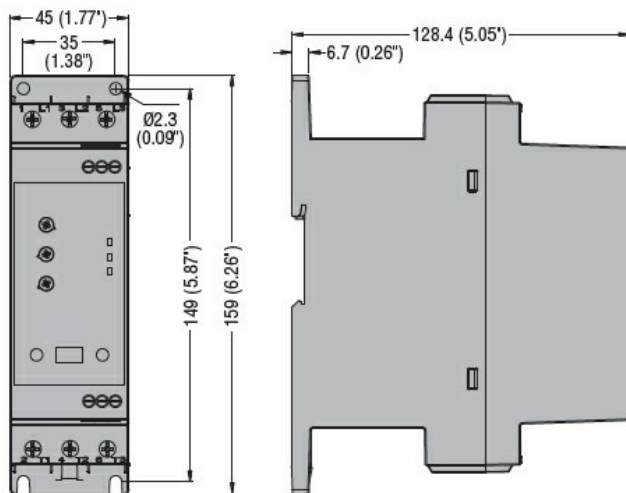
Dimensions (W x H x D)

|    |                  |
|----|------------------|
| mm | 45 x 159 x 128.4 |
|----|------------------|

Weight

|    |      |
|----|------|
| Kg | 0.66 |
|----|------|

Dimensions [mm (in)]



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