**Lovato electric**
ENERGY AND AUTOMATION

软启动器, ADXNB... 型号, 基本型, 带集成旁路继电器, 内置风扇. 辅助电源 100...240VAC. 额定工作电压 208...600VAC, 38A

| | | | |
|---|---|---|---|
| Product designation | | | Soft starter basic |
| Product type designation | | | ADXNB |
| Motor type | | | 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

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

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## 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 | 0.66 |

## Dimensions
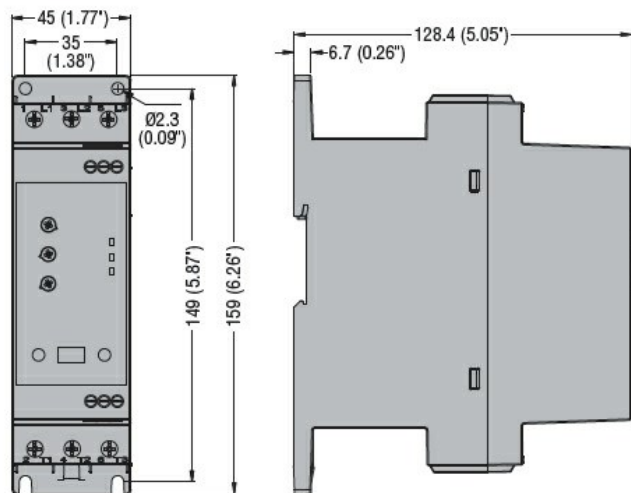


## Certifications and compliance

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 |