# ADXNP03824

SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 38A



| | | | | |
|---|---|---|---|---|
| Product designation | | | | Soft starter advanced |
| Product type designation | | | | ADXNP |
| Motor type | | | | Asynchronous three phase |
| **Electrical features** | | | | |
| Supplies voltage | | | | |
| | | Type of system | | Three phase |
| | | Rated supply voltage | V | 208…600VAC |
| | | auxiliary supply voltage (Us) | | 24VAC/DC |
| | | 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. 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 current limit |
| Stop method | | | | Voltage ramp or free-wheel stop |
| Acceleration ramp | | | s | 1-20 |
| Deceleration ramp | | | s | 0-20 |


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| | | | |
|---|---|---|---|
| Startup voltage | | % | 30-80 |
| **Protections** | | | |
| 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 |
| **Functions** | | | |
| Built-in bypass | | | Yes |
| 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 | | | Yes |
| 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 | | | 1 |
| Analog inputs | | | 0 |
| Digital outputs | | | 2 |
| Analog output | | | 0 |
| Monitoring communication | | | No |
| Optical port for programming | | | Yes |
| Event log | | | Yes |
| Motor hour counter | | | No |
| Startup counter | | | Yes |
| Clock calendar | | | Yes |
| Remote external keypad | | | 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 | | | |

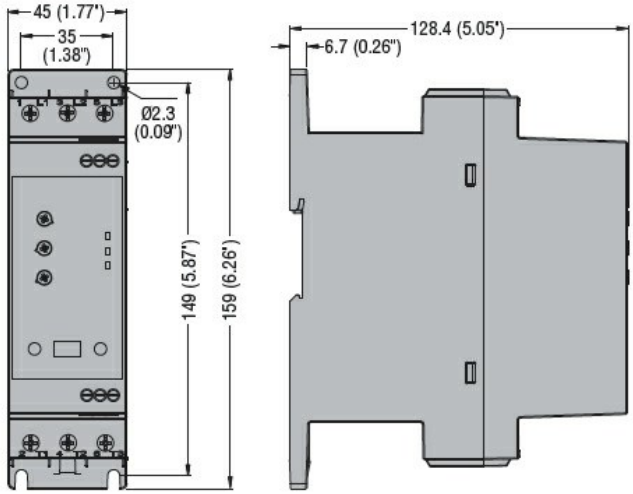

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| | | | |
|---|---|---|---|
| Number of digital output | | Nr. | 2 |
| Digital output arrangement | | | 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC |
| Digital output functions | | | Programmable: line contactor (Run), TOR (Top Of 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** | | | |


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## 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 |


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