# ADXL0030600

SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 30A



| | | | |
|---|---|---|---|
| **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 | 30 |
| Rated motor power in-line | | | |
| IEC ratings (T≤40°C) | | | |
| | 230VAC | kW | 7.5 |
| | 400VAC | kW | 15 |
| | 500VAC | KW | 18.5 |
| UL ratings (T≤40°C) | | | |
| | 220-240VAC | HP | 10 |
| | 380-415VAC | HP | 15 |
| | 440-480VAC | HP | 20 |
| | 550-600VAC | HP | 25 |
| Number of controlled phases | | Nr. | 2 |
| Built-in bypass | | | Yes |
| Cooling System | | | Natural or forced (optional) |
| Rated insulation voltage Ui | | V | 600 |
| **Programming interface** | | | |
| Display | | | Backlit icon LCD display |
| Programming with NFC technology | | | Yes |
| Optical port | | | Yes |
| **Startup and stop settings** | | | |
| Startup method | | | Torque ramp with current limit, Voltage ramp with current limit, Constant torque with current limit |
| Stop method | | | Torque ramp, voltage ramp, free-wheel stop |
| **Protections** | | | |
| Auxiliary supply protection | | | Voltage too low |
| Power supply Protection | | | No power, phase loss, phase sequence, frequency out of limits, minimum and maximum voltage |


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| | |
|---|---|
| Motor protection | Overload at starting (trip class 2, 10A, 10, 15, 20, 25, 30, 35 and 40), overload during running (trip class 2, 10A, 10, 15, 20, 25 and 30), locked rotor, current asymmetry, minimum torque (dry run), overtemperature , starting too long |
| Starter protection | Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request |
| **Functions** | |
| Built-in bypass | Yes |
| Built-in display and keypad | Yes |
| Languages | 6 |
| View measurements | Yes |
| Torque control | Yes |
| Adjustable current limit | Yes |
| Dynamic braking | Yes |
| Kick Start function | Yes |
| Motor overload electronic protection | Yes |
| Motor protection PTC input | Yes |
| Protection against phase loss | Yes |
| 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 | 3 |
| Analog inputs | 0 |
| Digital outputs | 3 |
| Analog output | 0 |
| Optical port for programming | Yes |
| Event log | Yes |
| Motor hour counter | Yes |
| Startup counter | Yes |
| Clock calendar | Yes |
| Remote external keypad | No |
| **Input and Output** | |
| Digital inputs | |
| Number of digital input Nr. | 3 |


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| | | Digital input type | | 2 input with dry contact + 1 input with dry contact or PTC (configurable) |
| | | Digital input functions | | Programmable (motor start, motor stop, freewheel stop, motor preheating, commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command) |
| Digital outputs | | | | |
| | | Number of digital output | Nr. | 3 |
| | | Digital output arrangement | | 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NO contacts: 3A 250VAC - 3A 30VDC 1 x C/O contact: NO contact 5A 250VAC - 5A 30VDC; NC contact 3A 250VAC - 3A 30VDC |
| | | Digital output functions | | Programmable (line contactor, run, global alarm, limits, remote variable, alarm Axx, user alarm Axx, OFF) |
| **Ambient conditions** | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -20 |
| | | max | °C | +60°C (with current derating >40°C of 0.5%/°C ) |
| | Storage temperature | | | |
| | | min | °C | -30 |
| | | max | °C | +80 |
| Max altitude | | | m | 1000 without derating (over 1000mt with current derating of 0.5%/100m) |
| Relative humidity | | | % | <80% |


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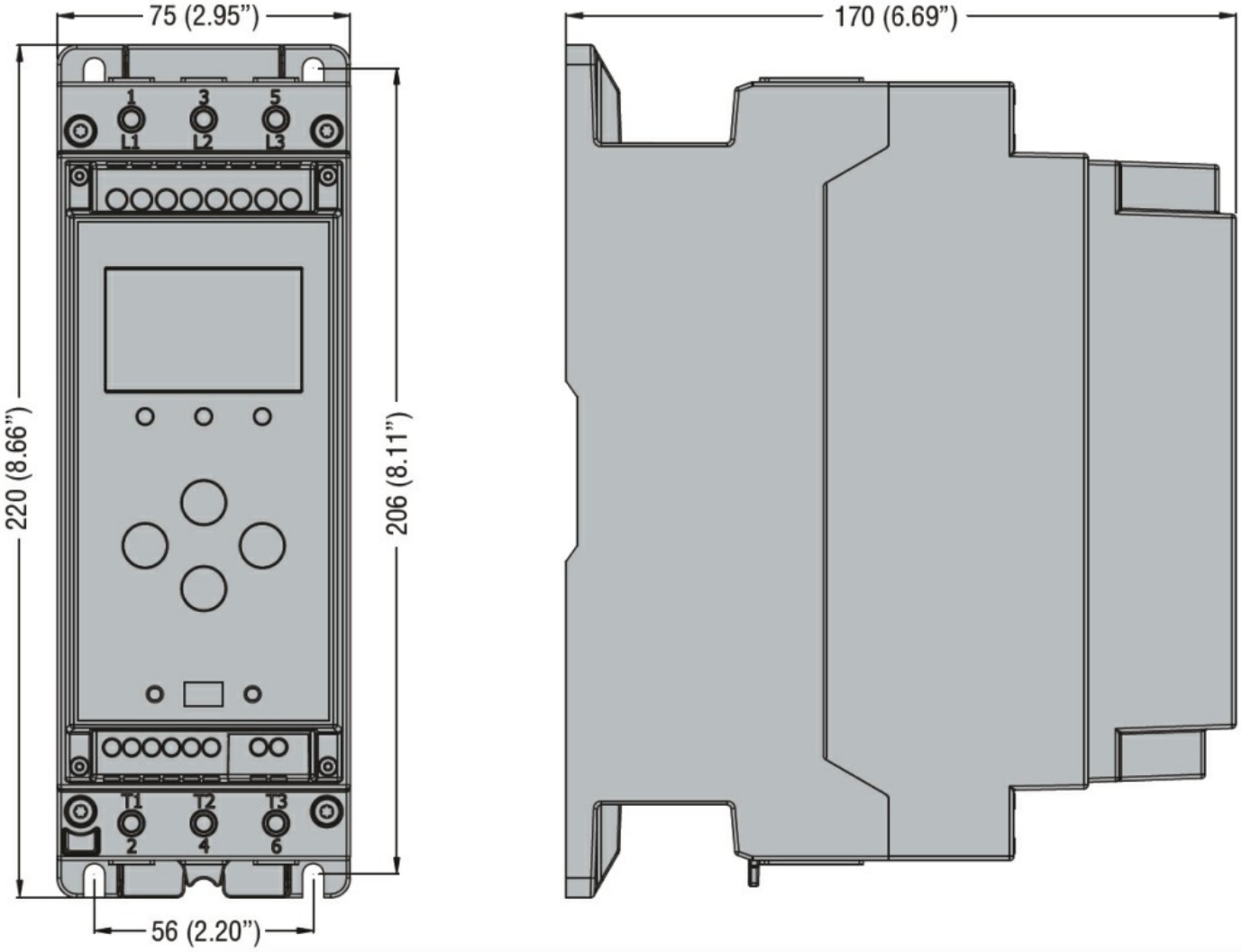
| | | |
|---|---|---|
| Pollution degree | | 2 |
| Installation category | | III |
| **Housing** | | |
| Mounting | | Screw-fixing or 35mm DIN rail with optional accessory EXP8003 |
| IP degree of protection | | IP00 |
| Dimensions (W x H x D) | mm | 75 x 218 x 171.5 |
| Weight | Kg | 2.1 |

## Dimensions




## Certifications and compliance

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|---|---|
| Compliance | |
| | CSA C22.2 n° 14 |
| | IEC/EN 60947-1 |
| | IEC/EN 60947-4-2 |
| | UL508 |
| Certificates | |
| | cULus |
| | EAC |
| | RCM |


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## ETIM classification

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| ETIM 8.0 | EC000640 - Soft starter |


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