# ADXT0311

SOFT STARTER, ADXT… SERIES, FOR STANDARD AND HEAVY-DUTY APPLICATIONS, WITH BUILT-IN BYPASS RELAY. AUXILIARY SUPPLY VOLTAGE 110…120VAC AND 220…240VAC. RATED OPERATIONAL VOLTAGE 380...690VAC, 311A



| | | | | |
|---|---|---|---|---|
| Product designation | | | | Soft Starter |
| Product type designation | | | | ADXT |
| Motor type | | | | Asynchronous three phase |
| **Electrical features** | | | | |
| Supplies voltage | | | | |
| | | Type of system | | Three phase |
| | | Rated supply voltage | V | 380…690VAC |
| | | auxiliary supply voltage (Us) | | 110…120VAC / 220…240VAC |
| | | Rated frequency | Hz | 50/60 |
| Rated starter current Ie | | | A | 311 |
| Rated motor power | | | | |
| | IEC ratings (T≤40°C) | | | |
| | | 400VAC | kW | 250 |
| | | 500VAC | KW | 315 |
| | UL ratings (T≤40°C) | | | |
| | | 380-415VAC | HP | 250 |
| | | 440-480VAC | HP | 350 |
| | | 550-600VAC | HP | 450 |
| Number of controlled phases | | | Nr. | 3 |
| Built-in bypass | | | | Yes |
| Cooling System | | | | Forced |
| Rated insulation voltage Ui | | | V | 690 |
| **Programming interface** | | | | |
| Display | | | | LCD graphic display |
| Programming with NFC technology | | | | No |
| Optical port | | | | No |
| **Startup and stop settings** | | | | |
| Startup method | | | | Constant current, current ramp, voltage ramp, adaptive control |
| Stop method | | | | Voltage ramp, adaptive control, free-wheel stop, DC braking, soft stop with braking contactor |
| **Protections** | | | | |
| Auxiliary supply protection | | | | Voltage too low |


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| | |
|---|---|
| Power supply Protection | No power, phase loss, phase sequence, frequency out of limits, voltage out of limits |
| Motor protection | Overload, locked rotor, current asymmetry, current too low, power too low, overtemperature, starting too long |
| Starter protection | Overcurrent, overtemperature, phase shorted |

## Functions

| | |
|---|---|
| Built-in bypass | Yes |
| Built-in display and keypad | Yes |
| Languages | 6 |
| View measurements | Yes |
| Torque control | No |
| Adjustable current limit | Yes |
| Dynamic braking | Yes |
| Kick Start function | Yes |
| Motor overload electronic protection | Yes |
| Motor protection PTC input | Thermistor input |
| 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 | 4 |
| Analog inputs | 0 |
| Digital outputs | 3 |
| Analog output | 1 |
| Optical port for programming | No |
| Event log | Yes |
| Motor hour counter | Yes |
| Startup counter | Yes |
| Clock calendar | Yes |
| Remote external keypad | Yes |

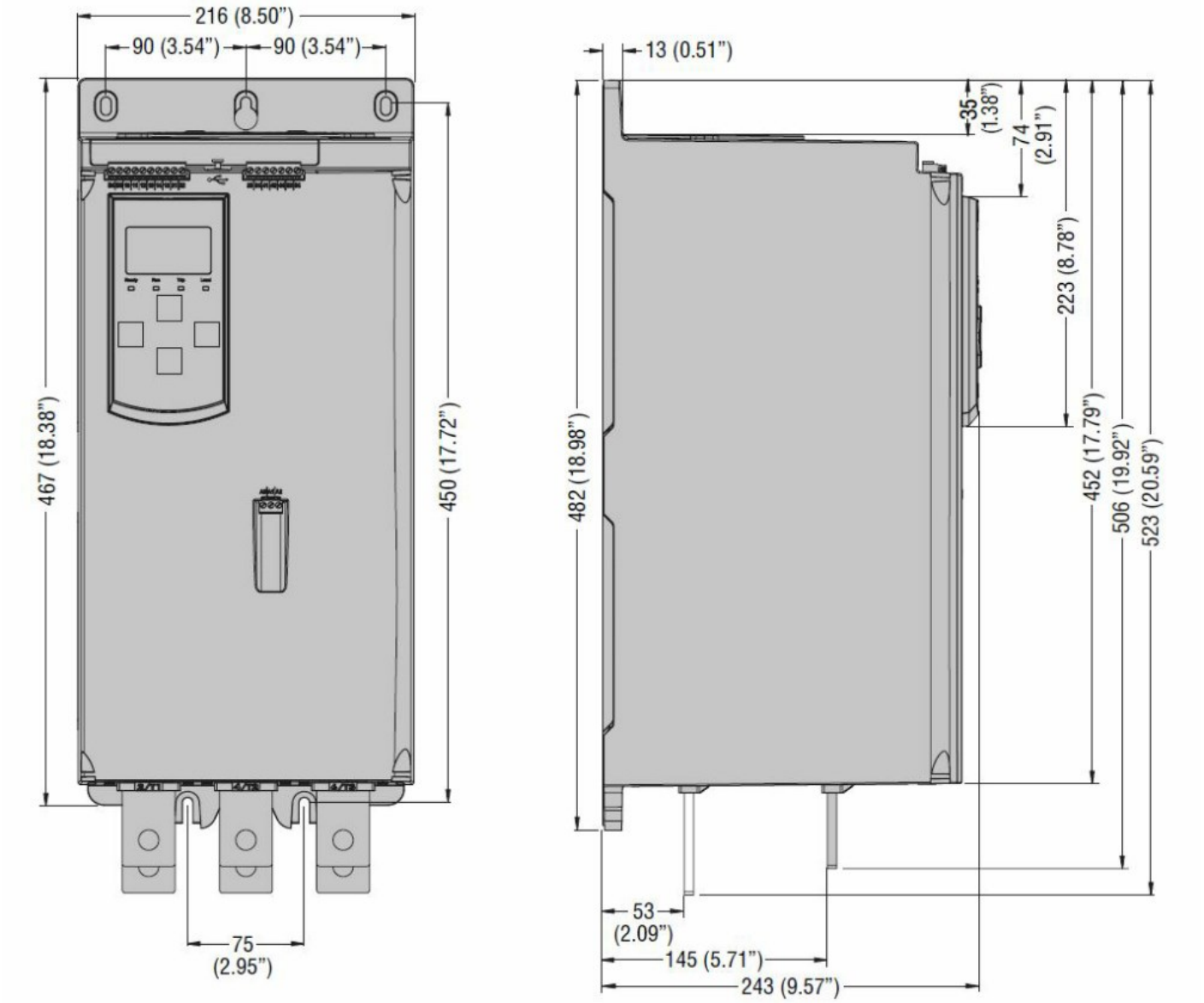
## Input and Output

| | | | |
|---|---|---|---|
| Digital inputs | | | |
| | Number of digital input | Nr. | 4 |
| | Digital input type | | 4 input with dry contact + 1 thermistor input |
| | Digital input functions | | 1x Start/Stop, 1x Reset and 2 Programmable |
| Digital outputs | | | |
| | Number of digital output | Nr. | 3 |


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| | | | | |
|---|---|---|---|---|
| | | Digital output arrangement | | 2x 1NO + 1x C/O |
| | | Digital output functions | | 1NO Line contactor + 1NO Programmable + 1C/O Programmable |
| **Ambient conditions** | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -10 |
| | | max | °C | +60°C (with current derating >40°C) |
| | Storage temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +60 |
| Max altitude | | | m | 1000 without derating |
| Relative humidity | | | % | <95% |
| Pollution degree | | | | 3 |
| **Housing** | | | | |
| Mounting | | | | Screw-fixing |
| IP degree of protection | | | | IP00 |
| Dimensions (W x H x D) | | | mm | 216x523x244 |
| Weight | | | Kg | 15.5 |
| **Dimensions** | | | | |


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## Certifications and compliance

Compliance

| | |
|---|---|
| | CSA C22.2 n°60947-4-2 |
| | IEC/EN/BS 60947-4-2 |
| | UL 60947-4-2 |

Certificates

| | |
|---|---|
| | cULus |
| | RCM |

## ETIM classification

| | |
|---|---|
| ETIM 8.0 | EC000640 - Soft starter |


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