



Product designation  
Product type designation  
Motor type

Soft Starter  
ADXL  
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	162
Rated motor power	IEC ratings (T≤40°C)		
		230VAC kW	45
		400VAC kW	90
		500VAC KW	110
	UL ratings (T≤40°C)		
		220-240VAC HP	60
		380-415VAC HP	75
		440-480VAC HP	125
		550-600VAC HP	150
Number of controlled phases		Nr.	2
Built-in bypass			Yes
Cooling System			Forced
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
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Power supply Protection	No power, phase loss, phase sequence, frequency out of limits, minimum and maximum voltage
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),
Starter protection	Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request

Functions	
Built-in bypass	2
Built-in display and keypad	Yes
Languages	Yes
View measurements	6
Torque control	Yes
Adjustable current limit	Yes
Dynamic braking	Yes
Kick Start function	No
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	Yes
Analog inputs	Yes
Digital outputs	No
Analog output	Yes
Monitoring communication	No
Optical port for programming	RS485
Event log	Yes
Motor hour counter	Yes
Startup counter	Yes

Clock calendar	Yes
Remote external keypad	No
Plug-in version	Optional

### Input and Output

#### Digital inputs

Number of digital input	Nr.	3
Digital input type		2 input with dry contact + 1 input with dry contact or PTC (configurable) Programmable (motor start, motor stop, freewheel stop, motor preheating, commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command)
Digital input functions		

#### 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 Programmable (line contactor, run, global alarm, limits, remote variable, alarm Axx, user alarm Axx, OFF)
Digital output functions		

### Ambient conditions

#### Temperature

##### Operating temperature

min	°C	-20
max	°C	+60°C (with current derating >40°C of 0.5%/°C)

##### Storage temperature

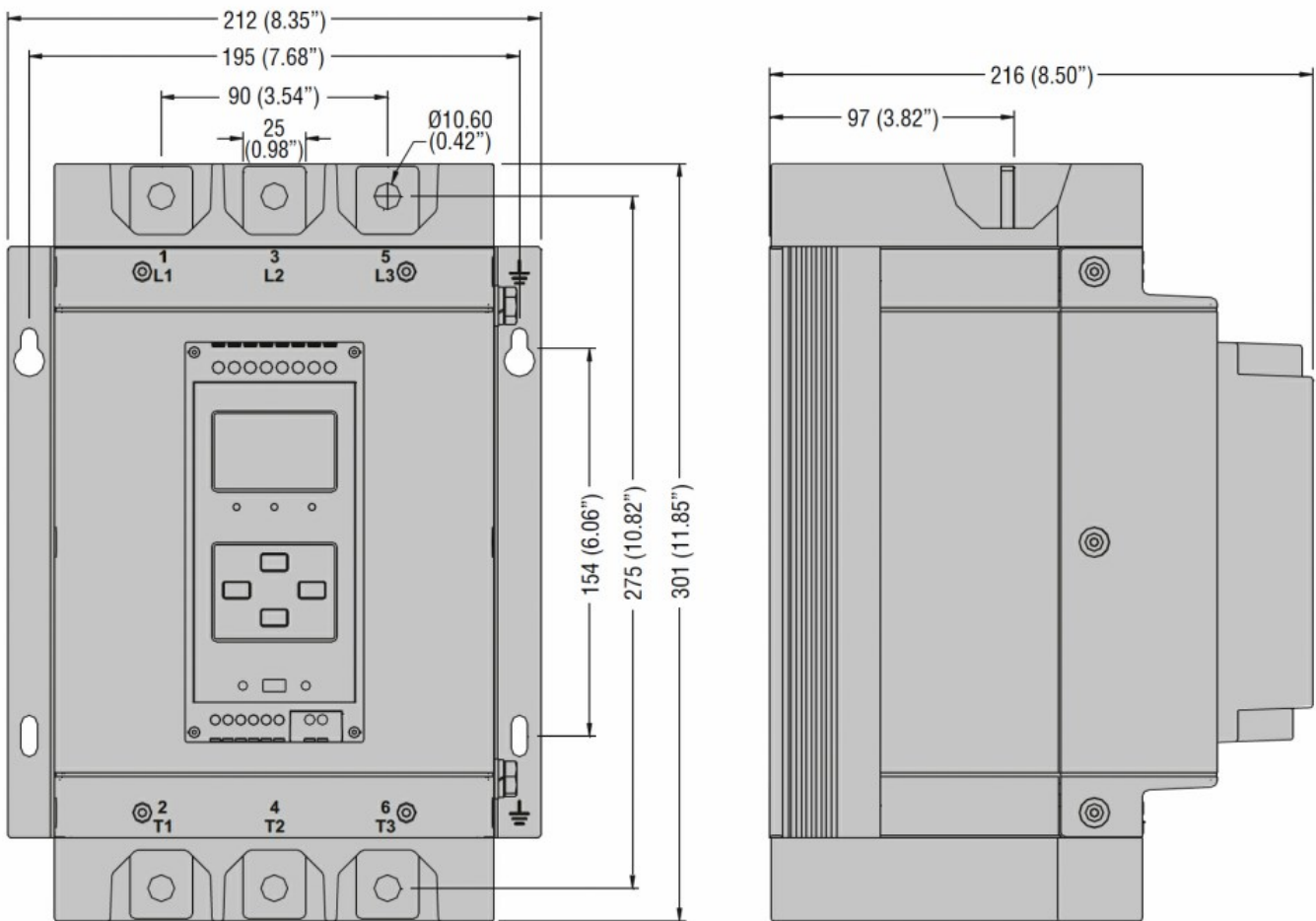
min	°C	-30
max	°C	+80

Max altitude	m	1000 without derating (over 1000mt with current derating of 0.5%/100m)
Relative humidity	%	<80%
Pollution degree		2
Installation category		III

**Housing**

Mounting		Screw-fixing
IP degree of protection		IP00
Dimensions (W x H x D)	mm	212 x 301 x 216
Weight	Kg	7.8

**Dimensions**



**Certifications and compliance**

**Compliance**

- CSA C22.2 n° 14
- IEC/EN 60947-1
- IEC/EN 60947-4-2
- UL508

**Certificates**

- cULus
- EAC
- RCM

**ETIM classification**

ETIM 8.0

EC000640 - Soft  
starter