ADXL0320600

SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 320A



Product designation				Soft Starter
Product type designation				ADXL
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	320
Rated motor power				
	IEC ratings (T≤40°C)			
		230VAC	kW	90
		400VAC	kW	160
		500VAC	KW	200
	UL ratings (T≤40°C)			
		220-240VAC	HP	125
		380-415VAC	HP	200
		440-480VAC	HP	250
		550-600VAC	HP	300
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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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	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	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	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

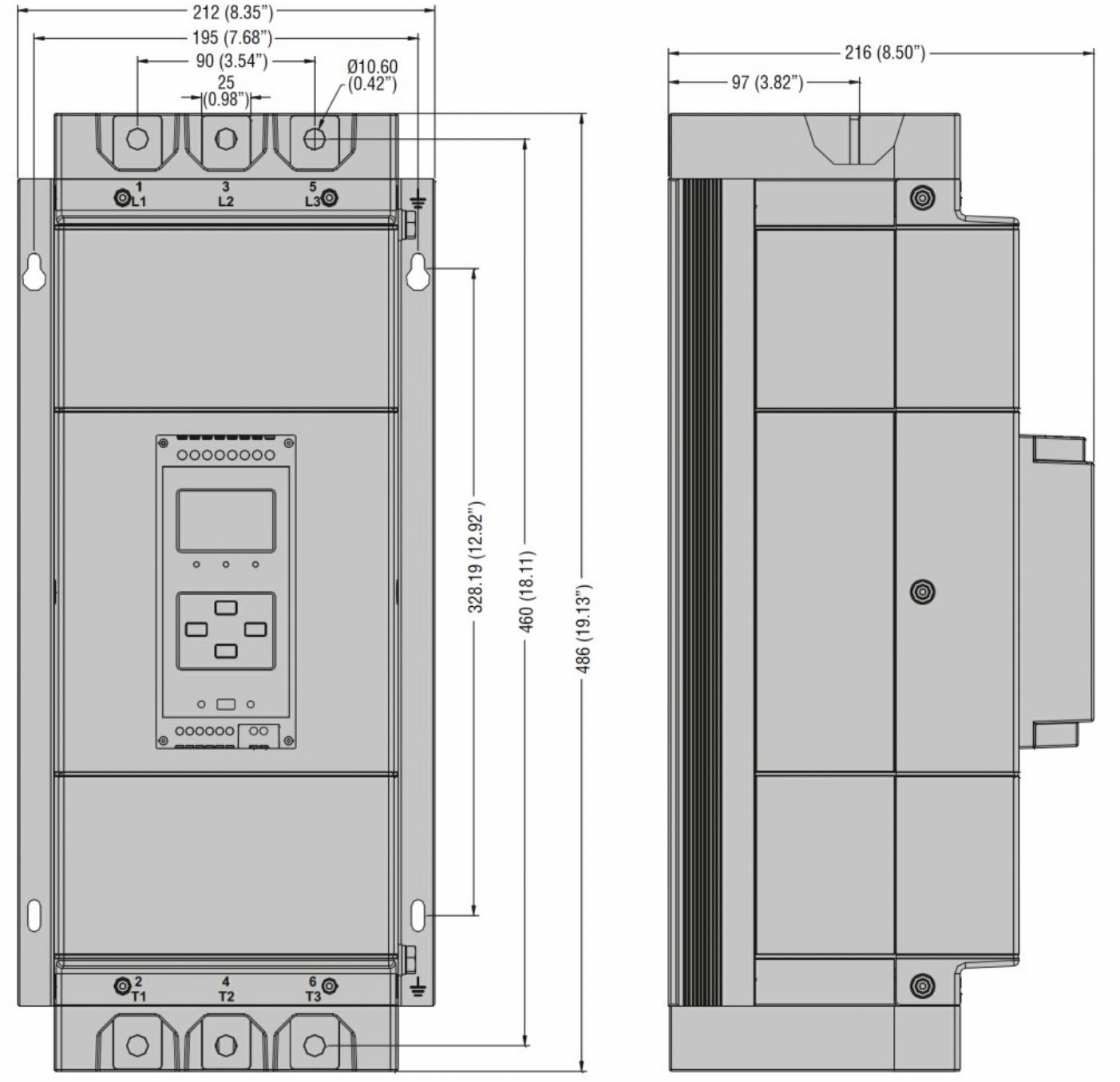
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

Remote external keypad			No
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)
	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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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 486 x 216
Weight	Kg	13.9

Dimensions



Certifications and compliance

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding