ADXL0018600

SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 18A



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	18
Rated motor power				
	IEC ratings (T≤40°C)			
		230VAC	kW	4
		400VAC	kW	7,5
		500VAC	KW	11
	UL ratings (T≤40°C)			
		220-240VAC	HP	5
		380-415VAC	HP	10
		440-480VAC	HP	10
		550-600VAC	HP	15
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

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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

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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)
	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

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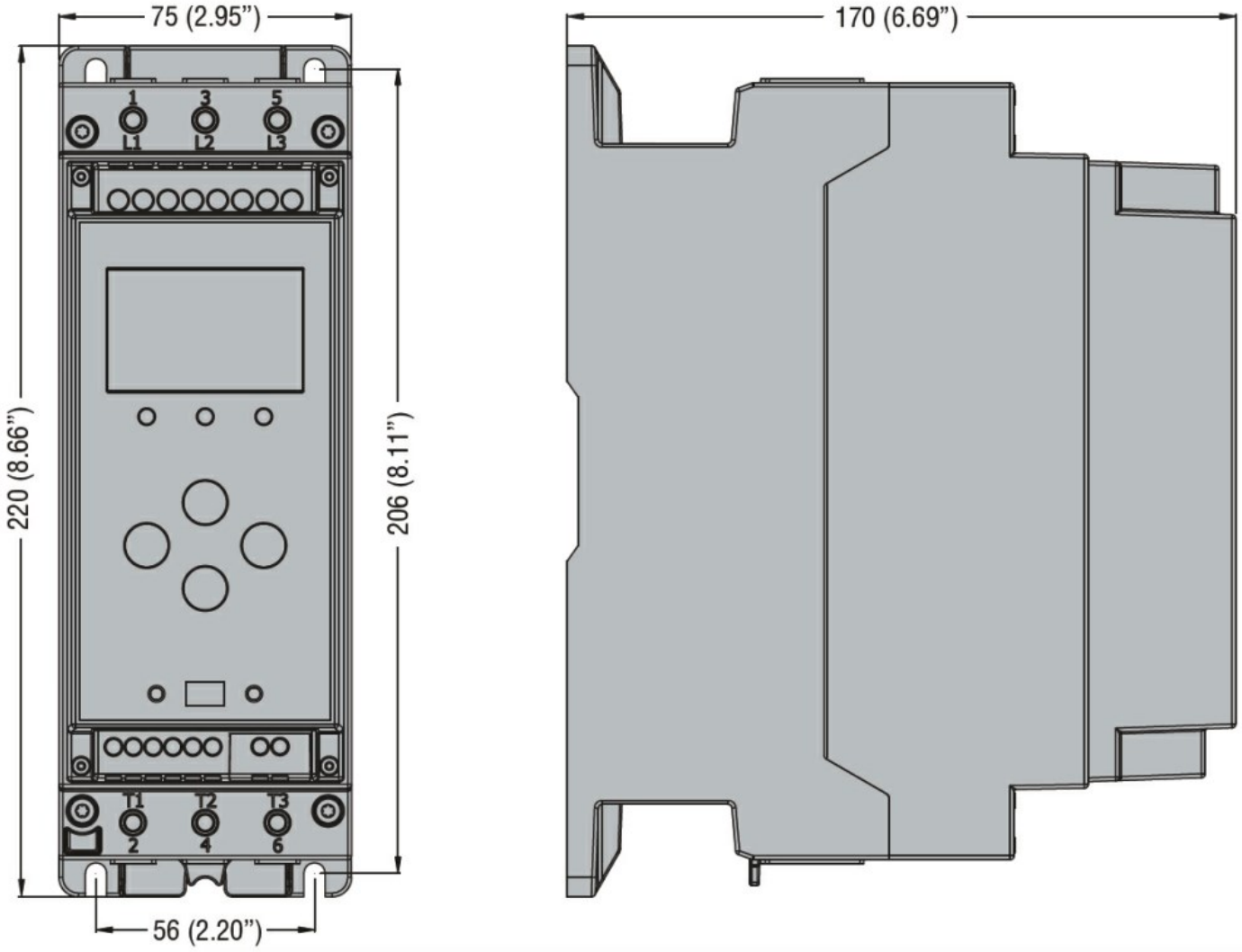
Max altitude	m	1000 without derating (over 1000mt with current derating of 0.5%/100m)
Relative humidity	%	<80%
Pollution degree		2
Installation category		III

Housing

Mounting		Screw-fixing 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

Compliance

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

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	UL508

Certificates

	cULus
	EAC
	RCM

ETIM classification

ETIM 8.0	EC000640 - Soft starter

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