ADXL0085600

SOFT STARTER, ADXL SERIES, WITH INTEGRATED BYPASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC 50/60HZ, 85A

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	85
Rated motor power in-line			
IEC ratings (T≤40°C)			
	230VAC	kW	22
	400VAC	kW	45
	500VAC	KW	55
UL ratings (T≤40°C)			
	220-240VAC	HP	30
	380-415VAC	HP	50
	440-480VAC	HP	60
	550-600VAC	HP	75
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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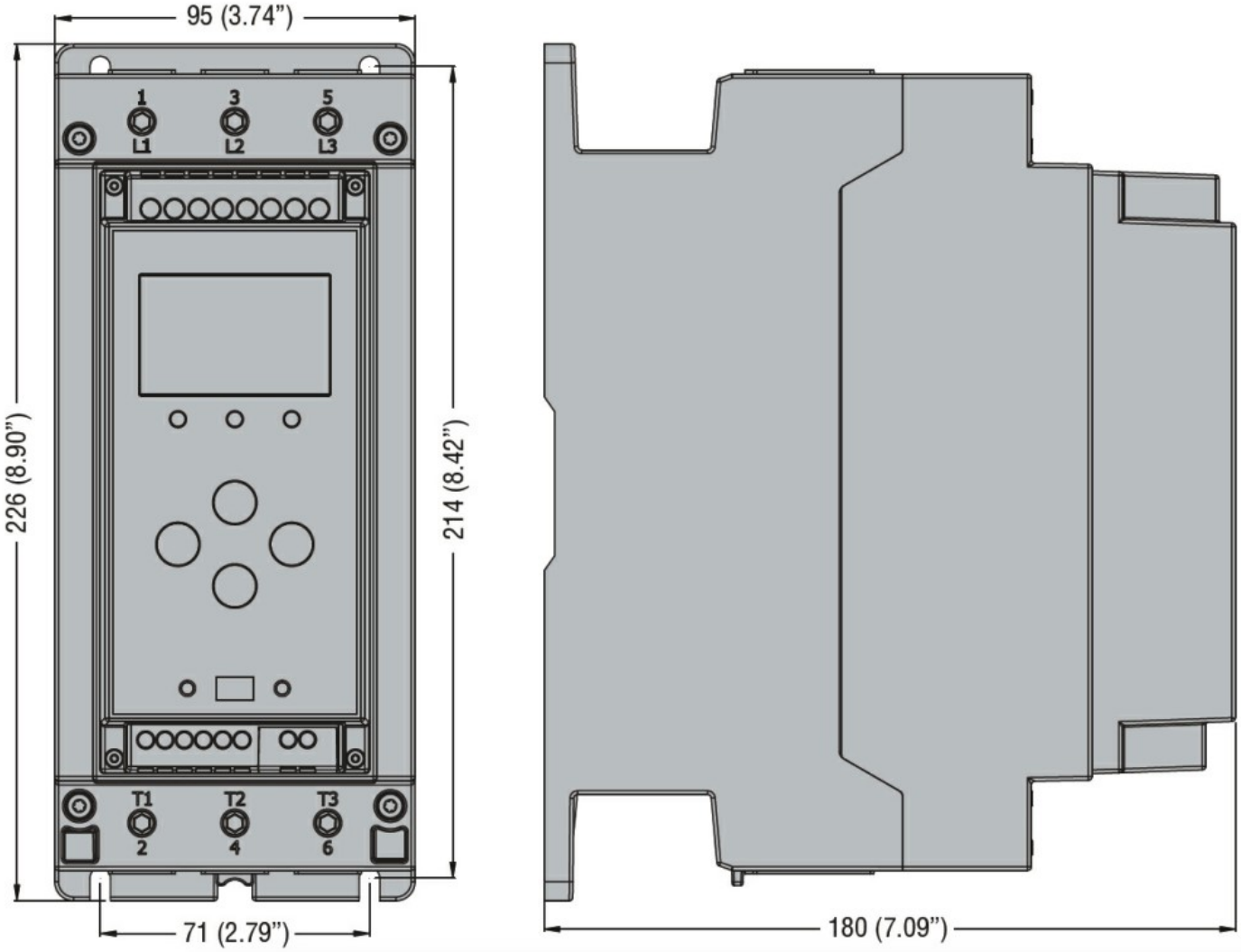
Pollution degree		2
Installation category		III

Housing

Mounting		Screw-fixing or 35mm DIN rail with optional accessory EXP8003
IP degree of protection		IP00
Dimensions (W x H x D)	mm	95 x 226 x 182
Weight	Kg	2.9

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

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ETIM 8.0

EC000640 - Soft starter

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