Lovato electric — ENERGY AND AUTOMATION

DÉMARREURS PROGRESSIFS AVEC RELAIS BY PASS INTÉGRÉ (SOFT STARTER) 115A 600V

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	115
Rated motor power			
	IEC ratings (T≤40°C)		
	230VAC	kW	37
	400VAC	kW	55
	500VAC	KW	75
	UL ratings (T≤40°C)		
	220-240VAC	HP	40
	380-415VAC	HP	60
	440-480VAC	HP	75
	550-600VAC	HP	100
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
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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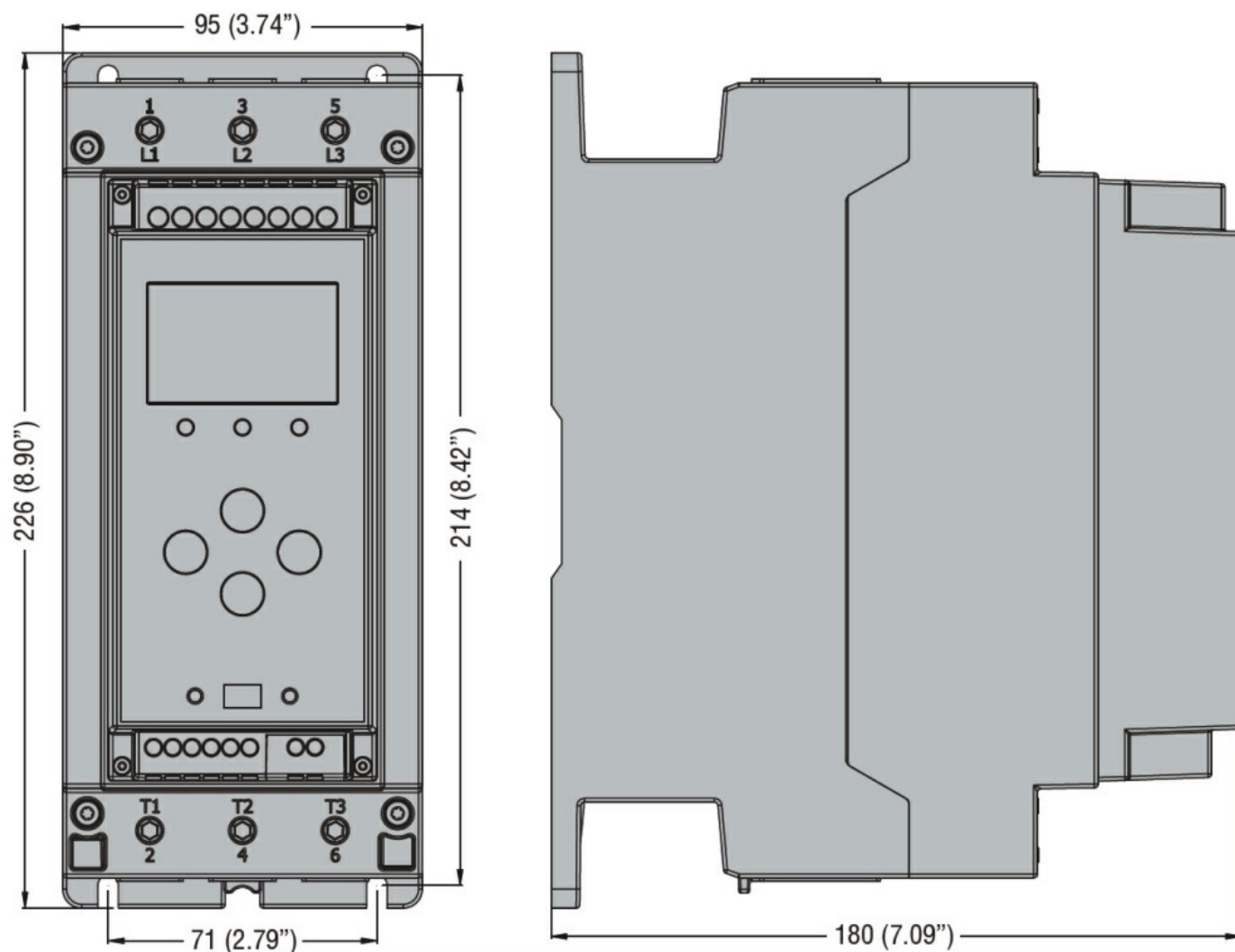|			
Clock calendar			Yes
Remote external keypad			No
Plug-in version			Optional
Input and Output			
Digital inputs			
	Number of digital input	Nr.	3
	Digital input type		2 input with dry contact + 1 input with dry contact or PTC (configurable)
	Digital input functions		Programmable (motor start, motor 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

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	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

ADXL0115600

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

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Certificates

cULus	
EAC	—
RCM	

ETIM classification

ETIM 8.0	EC000640 - Soft starter