ADXL0045600

SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 45A

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…600 VAC ±10%
	auxiliary supply voltage (Us)		100…240VAC ±10%
	Rated frequency	Hz	50/60
Rated starter current Ie		A	45
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	11
	400VAC	kW	22
	500VAC	KW	30
UL ratings (T≤40°C)			
	220-240VAC	HP	15
	380-415VAC	HP	25
	440-480VAC	HP	30
	550-600VAC	HP	40
Number of controlled phases		N°	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), overtemperature , starting too long
Starter protection			Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request

Input and Output

Digital inputs

	Number of digital input	n°	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	n°	3

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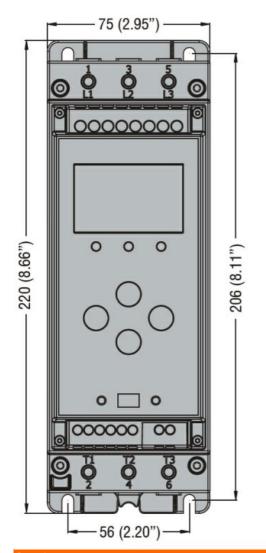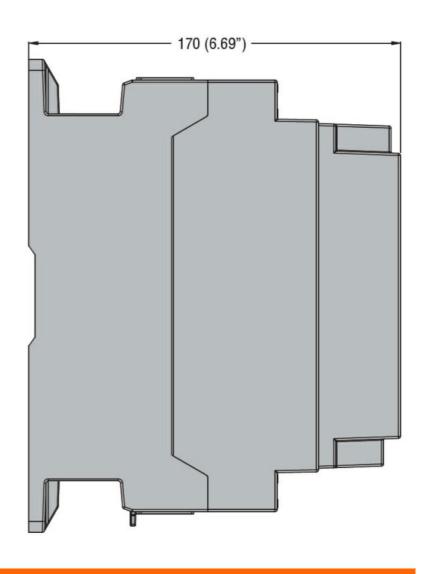
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Digital output arrangement				2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NO contacts: 3A 250VAC - 3A 30VDC 1 x C/O contact: NO contact 5A 250VAC - 5A 30VDC; NC contact 3A 250VAC - 3A 30VDC
Digital output functions				Programmable (line contactor, 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	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	
UL508	

Certificates

cULus	
EAC	
RCM	

ETIM classification

ETIM 8.0	EC000640 - Soft starter