



## SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 162A



			111
Product designation Product type designation			Soft Starter ADXL
Motor type			Asynchronous three phase
Electrical features			·
Supplies voltage			
	Type of system		Three phase
	Rated supply voltage	V	208600VAC
	auxiliary supply voltage (Us)		100240VAC
	Rated frequency	Hz	50/60
Rated starter current le		Α	162
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	45
	400VAC	kW	90
<u></u>	500VAC	KW	110
UL ratings (T≤40°C)			
	220-240VAC	HP	60
	380-415VAC	HP	75
	440-480VAC	HP	125
	550-600VAC	HP	150
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			100
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
Dynamic braking Kick Start function	Yes No
Dynamic braking Kick Start function Motor overload electronic protection	Yes No Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input	Yes No Yes Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss	Yes No Yes Yes Yes Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion	Yes No Yes Yes Yes Yes Yes Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor	Yes No Yes Yes Yes Yes Yes Yes Yes Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature	Yes No Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load	Yes No Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm	Yes No Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs	Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs	Yes
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Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output	Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output Monitoring communication	Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output Monitoring communication Optical port for programming	Yes
Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output Monitoring communication	Yes





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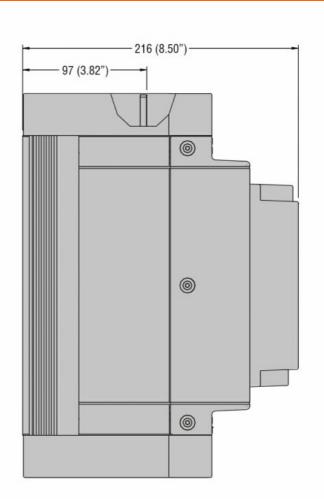
Clock calendar				Yes
Remote external keypa	ad			No
Plug-in version				Optional
Input and Output				
Digital inputs		No. of Particles of	N.1.	0
		Number of digital input	Nr.	3
				2 input with dry contact + 1 input
		Digital input type		with dry contact
				or PTC
				(configurable)
				Programmable (motor start,
				motor stop,
				freewheel stop,
				motor preheating
		Digital input functions		commands lock, alarms inhibition,
				thermal status
				reset, keyboard
				lock, motor selection, user
				alarm, command)
Digital outputs				
		Number of digital output	Nr.	3
				2 x 1 NO (SPST)
				+ 1 C/O (SPDT) Ratings: 2 x 1NO
				contacts: 3A
				250VAC - 3A
		Digital output arrangement		30VDC 1 x C/O contact: NO
		Digital output arrangement		contact 5A
				250VAC - 5A
				30VDC; NC
				contact 3A
				250VAC - 3A 30VDC
				Programmable
				(line contactor,
		Division to the contract		run, global alarm,
		Digital output functions		limits, remote variable, alarm
				Axx, user alarm
				Axx, OFF)
Ambient conditions				
Temperature	Operating temperature			
	Sporacing temperature	min	°C	-20
				+60°C (with
		max	°C	current derating
			=	>40°C of 0.5%/ °C )
	Storage temperature			<u> </u>
	c.orago tomporataro	min	°C	-30
		max	°C	+80

**ENERGY AND AUTOMATION** 

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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
IP degree of protection		IP00
Dimensions (W x H x D)	mm	212 x 301 x 216
Weight	Kg	7.8
Dimensions		

## 212 (8.35") 195 (7.68") 90 (3.54") Ø10.60 (0.42") (0.98") @L1 5 L3⊚ 00000000 154 (6.06") 275 (10.82") 301 (11.85") 0 0 - 0 000000 00 ⊚<sub>T1</sub> 6 T3◎



## 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



## ADXL0162600

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ETIM 8.0

EC000640 - Soft starter