



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		A	115
Rated motor power	(7.40%0)		
IEC ratin	lgs (T≤40°C)	1.3.47	07
	230VAC 400VAC	kW	37 55
	400VAC 500VAC	kW KW	55 75
	js (T≤40°C)	17.00	75
OE raung	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 Yes
Programming with NFC technolog Optical port	уу		Yes
Startup and stop settings			Tes
Otartup and stop settings			Torque ramp with
			current limit,
Startup method			Voltage ramp with
Startup metriou			current limit,
			Constant torque
			with current limit
Stop method			Torque ramp, voltage ramp,
			free-wheel stop
Protections			

Auxiliary supply protection

ADXL0115600

Voltage too low



ADXL0115600 SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 115A

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), Overcurrent,
Starter protection	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	No Yes
Motor overload electronic protection Motor protection PTC input	No Yes Yes
Motor overload electronic protection Motor protection PTC input Protection against phase loss	No Yes Yes Yes
Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion	No Yes Yes Yes Yes
Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor	No Yes Yes Yes Yes Yes
Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature	No Yes Yes Yes Yes Yes Yes
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	No Yes Yes Yes Yes Yes Yes Yes Yes
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	NoYesYesYesYesYesYesYesYesYesYesYesYes
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	NoYesYesYesYesYesYesYesYesYesYesYesYesYesYes
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	NoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYes
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	NoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesNo
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	NoYes
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	NoYesYesYesYesYesYesYesYesYesYesYesYesYesYesNoYesNoNoNoNo
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	NoYesYesYesYesYesYesYesYesYesYesYesYesNoYesNoRS485
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	NoYesYesYesYesYesYesYesYesYesYesYesYesYesYesNoYesNoNoNoNo

ADXL0115600



ADXL0115600 SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 115A

Digital inputs Number of digital input Nr. 3 2 input with dry contact + 1 input with dry contact + 1 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input input with dry contact + 1 input with dry contact +	Clock calendar				Yes
Digital inputs Number of digital input Nr. 3 2 input with dry contact + 1 input with dry contact + 1 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input Nr. 3 2 input with dry contact + 1 input input with dry contact + 1 input with dry contact +	Remote external keyp	bad			No
Digital inputs Number of digital input Nr. 3 2 input with dry contact + 1 input Digital input type Programmable (motor start, motor stop, motor stop, motor start, motor stop, motor stop, motor start, motor start, motor start, motor start, motor start, motor stop, motor start, alarm, command status start, alarm, status start, alarm, status start,	Plug-in version				Optional
Number of digital input Nr. 3 2 input with dry contact + 1 input Digital input type Digital input type with dry contact + 1 input Digital input functions Digital input functions atrms inhibiton Digital outputs Digital input functions atrms inhibiton Digital outputs Number of digital output Nr. 3 Digital outputs Number of digital output Nr. 3 Digital outputs Number of digital output Nr. 3 Digital outputs Number of digital output arrangement atrms: 32x 1NO (SPST) + 1 C/O (SPDT) Ratings: 2x 1NO contact: SA 250VAC - 3A Digital output arrangement contact: SA 250VAC - 3A 30VDC (NC contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 3A 250VAC - 3A 30VDC - 1 x C/O contact 3A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x C/O contact 5A 250VAC - 3A 30VDC - 1 x					
Digital input type 2 input with dy contact - 1 input with dy contact - 1 input with dy contact or PTC (configurable) Programmable (notor star, motor stop, freewheel stop, motor preheating lock, motor selection, user alarm, command lock, motor selection, user alarm, command selection, user selection, u	Digital inputs				
Digital input type contact or PTC (configurable) Programmable (motor start, motor stop, freewheel stop, motor preheating commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command lock, motor selection, user alarm, command lock, motor selection, user alarm, command lock, alarms inhibition, thermal status reset, keyboard lock, alarms inhibition, thermal status reset, keyboard lock alarm in the contact shands a stove of digital output arrangement conditions thermal status reset in the contact shands a stove of the contact shands a stove o			Number of digital input	Nr.	
Digital input type with dry contact or PTC (configurable) Programmable (motor start, motor start, motor start, motor start, motor start, motor start, motor start, motor start, motor start motor start, motor start motor start, motor starts mailers, inhibitor, selection, user alarm, command lock, motor selection, user alarm Axx, UFF) Armbient conditions Temperature Cperating temperature Tempera					
or PTC (configurable) Programmable (motor start, motor stop, freewheel stop, motor preheating commands lock, motor selection, user alarm, command lock, motor selection, user alarm, commands lock, wotor selection, wotor select			Digital input type		
Configurable) Programmable (motor start, motor stop, freewheel stop, freewheel stop, motor preheating commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command lock, motor selection, user alarm Axy OFF) Ambient conditions The Circle selection, user alarm, command lock, motor selection, user alarm, command lock, motor selection, user alarm, command alarm, command lock, motor selection, user alarm, command lock, motor selection, user alarm, command alarm, command lock, motor selection, user alarm, command alarm,			Digital input type		
Digital input functions (motor stat, motor stop, freewheel stop, motor preheating inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command stock, atarns inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command Stock, attrass inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command Stock, attrass inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command Stock, attrass is 2 x 1 NO (SPST) + 1 C/O (SPDT) + 1 C/O (SP					(configurable)
Digital input functions Digital input functions Digital outputs Number of digital output Number of digital output N: 3 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NC Contact: 3A 250VAC - 3A 30VDC 1 x C/O contact 5A 250VAC - 3A 30VDC - 5A 30VDC 2 x C/O contact 5A 250VAC - 3A 30VDC - 5A 30VDC - 5A					
Digital input functions freewheel istop, motor preheating commands lock, alarms inhibition, ser alarm, command lock, motor selection, user alarm, command Digital outputs Number of digital output Nr. 3 Digital outputs Number of digital output Nr. 3 Digital outputs Nr. 3 2 x 1 NO (SPST) + 1 C/O (SPDT) + 1 C/O (SPDT) Ratings: 2 x 1NC contacts: 3A Digital output arrangement Contact: NO contact to					
Digital input functions motor preheating commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command lock, motor selection, user alarm, context, selection, user alarm, axx, user					
Digital input functions commands lock, motor selection, user alarm, command lock, motor selection, user alarm, contacts, alarm axe, user alarm, axe, us					
Ambient conditions Temperature Operating temperature Coperating temperature			Digital input functions		
Digital outputs Number of digital output Nr. 3 2 x 1 N0 (SPST) + 1 C/0 (SPST) + 1 C/0 (SPST) Ratings: 2 x 1NC contact: 3A 250VAC - 3A 30VDC 1 x C/O Digital output arrangement contact: 5A 250VAC - 5A 30VDC 1 x C/O contact 5A 250VAC - 5A 30VDC - 5A 30VDC - 3A 30VDC - 5A 250VAC - 3A 30VDC - 5A 30VDC - 7A 250VAC - 3A 30VDC - 7A 30VDC - 5A 30VDC - 7A 30VDC - 7A 30VDC - 7A 30VCC - 7A 30VDC - 7A 30VCC -			Digital input functions		
Digital outputs Number of digital output Nr. 3 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NO Ratings: 2 x 1NO Contacts: 3A 250VAC - 3A 30VDC 1 x C/O Digital output arrangement contact: NO Contact SA 250VAC - 3A 30VDC : NC contact: NO contact: A 250VAC - 3A 30VDC : NC contact: A 250VAC - 3A 30VDC : NC contact A 250VAC - 3A 30VDC : NC contact: A 250VAC - 3A 30VDC : NC contact A 250VAC - 3A 30VDC : NC contact: A 250VAC - 3A 30VDC : NC contact A 30VDC : NC contact A 30VDC : NC contact B 250VAC - 3A 30VDC : NC contact SA 250VAC - 3A 30VDC : NC contact B 250VAC - 3A 30VDC : NC contact SA 250VAC - 3A 30VDC : NC contact SA 250VAC - 3A 30VDC : NC contact SA contact SA 250VAC - 3A 30VDC : NC contact SA contact SA contact SA contact SA contact SA contact SA </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Digital outputs Digital outputs Number of digital output Nr. 3 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NC Contacts: 3A 250VAC - 3A 30VDC 1 x C/O Digital output arrangement contact: NO contact: NO Contact: A 30VDC 1 x C/O 250VAC - 5A 30VDC : NC contact: A 250VAC - 3A 30VDC : NC contact: A 250VAC - 3A 30VDC : NC contact: A 250VAC - 3A 30VDC Programmable (line contactor, nun, global alarm, limits, remote variable, alarm Axx, OFF) Axx, OFF) Axx, user alarm Axx, OFF) max °C -20 +60°C (with current derating *40°C of 0.5%/ °C) *40°C of 0.5%/ °C) *40°C of 0.5%/ °C) Storage temperature min< °C -30					
Digital outputs Number of digital output Nr. 3 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NC Ratings: 2 x 1NC Contacts: 3A 250VAC - 3A 30VDC 1 x C/O Digital output arrangement contact 5A 250VAC - 5A 30VDC; NC 30VDC 250VAC - 3A 30VDC; NC 250VAC - 3A 30VDC; NC 250VAC - 3A 30VDC 30VDC 1 x C/O 250VAC - 3A 30VDC 30VDC Programmable (line contactor) Contact 3A 250VAC - 3A 30VDC Yerogrammable Programmable (line contactor) Contact 4A 250VAC - 3A 30VDC Yerogrammable Programmable (line contactor) Xx, user alarm Axx, user alarm Axx, oFF)					
Number of digital output Nr. 3 2 x 1 NO (SPST) + 1 C/O (SPDT) + 1 C/O (SPDT) Ratings: 2 x 1NC contacts: 3A 250VAC - 3A 30VDC 1 x C/O Contact: NO contact 5A 250VAC - 5A 30VDC (NC contact 3A 250VAC - 3A 30VDC Programmable (line contactor, run, global alarm, Axx, user alarm Axx, OFF) Xxx, OFF) Ambient conditions min Temperature min °C Operating temperature min °C Max °C contacting +40°C of 0.5%/ °C () C) Storage temperature min °C min< °C					alarm, command
Ambient conditions Temperature Operating temperature T	Digital outputs				
+ 1 C/0 (SPDT) Ratings: 2 x 1NC contacts: 3A 250VAC - 3A 30VDC 1 x C/0 contact NO contact 5A 250VAC - 5A 30VDC 250VAC - 5A 30VDC 30VDC 1 x C/0 contact 5A 250VAC - 5A 30VDC 250VAC - 5A 30VDC 30VDC Programmable (line contactor, run, global alarm, Axx, user alarm Axx, oFF) Ambient conditions Temperature Operating temperature min °C +60°C (with max °C Storage temperature min °C -30			Number of digital output	Nr.	
Ambient conditions Temperature Operating temperature Operating temperature Operating temperature Operating temperature Operating temperature Operating temperature Time * C Storage temperature Time * C * C * C * C * C * C * C * C * C * C					
Ambient conditions min °C -20 Model and the persature min °C -20 Storage temperature min °C -3A Storage temperature min °C -30					
Digital output arrangement 30VDC 1 x C/O contact: NO contact 5A 250VAC - 5A 30VDC; NC contact 3A 250VAC - 3A 30VDC Digital output functions 250VAC - 3A 30VDC Digital output functions Programmable (line contactor, run, global alarm Axx, user alarm Axx, user alarm Axx, user alarm Axx, oFF) Ambient conditions min C -20 +60°C (with current derating >40°C of 0.5%/ °C) Storage temperature min °C min °C -30					
Digital output arrangement Contact: NO contact 5A 250VAC - 5A 30VDC; NC contact 3A 250VAC - 3A 30VDC Programmable (line contactor, run, global alarm, limits, remote variable, alarm Axx, user alarm Axx, oFF) Temperature Min °C -20 +60°C (with max °C contact 3A 250VAC - 3A 30VDC Programmable (line contactor, run, global alarm, limits, remote variable, alarm Axx, 0FF) C -20 +60°C (with courrent derating >40°C of 0.5%/ °C) Storage temperature min °C -30					
Ambient conditions contact 5A Temperature Digital output functions 250VAC - 5A 30VDC Programmable (line contactor, run, global alarm) Max, user alarm Axx, user alarm Axx, user alarm Axx, oFF) Ambient conditions min °C -20 Year of the state of the s			Digital output arrangement		
Ambient conditions Temperature Operating temperature Digital output functions Temperature Operating temperature Min °C -20 +60°C (with max °C -20 +60°C (with max °C -20 +60°C (with max °C -20 +60°C (with max °C -20 +60°C of 0.5%/ °C)			Digital output anangement		
Ambient conditions contact 3A Programmable (line contactor, run, global alarm Imits, remote variable, alarm Axx, user alarm Axx, user alarm Axx, OFF) Axx, OFF) More alarm Axx, OFF) More alarm Axx, OFF) Ambient conditions current derating Year alarm Axx, OFF) Ambient conditions current derating Year alarm Axx, OFF) Storage temperature min °C -30					
Ambient conditions Temperature Digital output functions Digital output functions Ambient conditions Temperature Operating temperature Min °C -20 +60°C (with max °C constant derating >40°C of 0.5%/ °C)					
30VDC Programmable (line contactor, run, global alarm limits, remote variable, alarm Axx, user alarm Axx, OFF) Ambient conditions Temperature Operating temperature min °C -20 +60°C (with current derating >40°C of 0.5%/ °C) Storage temperature min °C -30					
Digital output functions Programmable (line contactor, run, global alarm limits, remote variable, alarm Axx, user alarm Axx, OFF) Ambient conditions					
Digital output functions (line contactor, run, global alarm limits, remote variable, alarm Axx, user alarm Axx, oFF) Ambient conditions					
Digital output functions run, global alarm, limits, remote variable, alarm Axx, user alarm Axx, OFF) Ambient conditions Temperature Operating temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$					-
Ambient conditions Axx, user alarm Temperature Operating temperature min °C -20 +60°C (with current derating >40°C of 0.5%/ °C Storage temperature min °C -30					
Ambient conditions Temperature Operating temperature min °C -20 +60°C (with current derating >40°C of 0.5%/ °C) Storage temperature min °C -30			Digital output functions		
Ambient conditions Temperature Operating temperature min °C -20 +60°C (with current derating >40°C of 0.5%/ °C) Storage temperature min °C -30					
Ambient conditions Temperature Operating temperature min °C +60°C (with max °C >40°C of 0.5%/ °C) Storage temperature min °C -30					
Temperature Operating temperature min °C -20 +60°C (with current derating >40°C of 0.5%/ °C) Storage temperature min °C -30	Ambient conditions				
Operating temperature min °C -20 +60°C (with max °C current derating >40°C of 0.5%/ °C °C -30					
min °C -20 +60°C (with max °C current derating >40°C of 0.5%/ °C) Storage temperature min °C -30	•	Operating temperature			
max °C current derating >40°C of 0.5%/ °C) Storage temperature min °C		·	min	°C	
Storage temperature min °C -30					
°C) Storage temperature min °C -30			max	°C	
Storage temperature min °C -30					
min °C -30		Storage temperature			0)
			min	°C	-30
			max	°Č	+80

ADXL0115600



ADXL0115600 SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 115A

Max altitude Relative humidity Pollution degree	m %	2
Installation category		
Housing Mounting IP degree of protection		Screw-fixing or 35mm DIN rail with optional accessory EXP8003 IP00
Dimensions (W x H x D)	mr	
Weight Dimensions [mm (in)]	Кд	2.9
95 (3.74")		

Certifications and compliance

Compliance

CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-4-2 UL508

ADXL0115600



ENERGY AND AUTOMATION

ADXL0115600 SOFT STARTER, ADXL... TYPE, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 115A

Certificates				
	cULus			
	EAC			
	RCM			
ETIM classification				

ETIM 8.0

EC000640 - Soft starter