



Product designation Product type designation Motor type			Soft Starter ADXL 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	320
Rated motor power			
IEC ratings (T≤40°C)	2201/40		00
	230VAC 400VAC	kW kW	90 160
	400VAC 500VAC	KVV KW	200
UL ratings (T≤40°C)	500VAC	rvv	200
OL Taungs (1340 C)	220-240VAC	HP	125
	380-415VAC	HP	200
	440-480VAC	HP	250
	550-600VAC	HP	300
Number of controlled phases		Nr.	2
Built-in bypass			Yes
Cooling System			Forced
Rated insulation voltage Ui		V	600
Programming interface			
Diaplay			Backlit icon LCD
Display			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 Protection supply Power supply Protection supply Protection Protection suppl		
Overload at starting (trip cia 2, 10A, 10, 15, 20, 25, 30, 35 and 40), overload during running (trip class 2, 10 10, 15, 20, 25 and 30), locked rotor, current asymmetry. Motor protection 10, 15, 20, 25 and 30), locked rotor, current asymmetry. Starter protection 0, 15, 20, 25 and 30), locked rotor, current asymmetry. Starter protection 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	Power supply Protection	sequence, frequency out of limits, minimum and maximum
overtemperature starting too long Starter protection Overcurrent, overtemperature bypass failure, phase shorted, temperature sensor fault, cooling fan fault maintenance request Functions 2 Built-in bypass 2 Built-in bypass 2 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 Protection against phase loss Yes Protection against phase inversion Yes Protection against blocked rotor Yes Protection against blocked rotor Yes Protection against blocked rotor	Motor protection	voltage 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
Starter protection Overcurrent, overtemperature spass failure, phase shorted, temperature sensor fault, cooling fan fault maintenance request Functions 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 overload electronic protection Yes Protection against phase loss Yes Protection against phase loss Yes Protection against locked rotor Yes Protection against by load Yes Protection against locked rotor Yes Protection against locked rotor Yes Protection against low load Yes Programmable alarm Yes Digital inputs Yes Digital outputs No Motor programming Yes Digital outputs No Analog output Yes <td< td=""><td></td><td>overtemperature,</td></td<>		overtemperature,
FunctionsBuilt-in bypass2Built-in display and keypadYesLanguagesYesLanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesProtection against phase lossYesProtection against hysis noversionYesProtection against hysis noversionYesProtection against hysis noversionYesProtection against locked rotorYesProtection against low loadYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Starter protection	Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance
Built-in display and keypadYesLanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesProtection against phase lossYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against low loadYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Functions	
LanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesProtection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against phase inversionYesProtection against boked rotorYesProtection against boked rotorYesProtection against box loadYesProtection against box loadYesProtection against low loadYesProgrammable alarmYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Built-in bypass	2
View measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesProtection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against blocked rotorYesProtection against blocked rotorYesProtection against hyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Built in display and keynad	Yes
Torque controlYesAdjustable current limitYesDynamic brakingYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Built-in display and keypad	
Adjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase lossYesProtection against phase inversionYesProtection against hyristor overtemperatureYesProtection against locked rotorYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	· · ·	Yes
Dynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages	
Kick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProtection against low loadYesDigital inputsYesDigital outputsYesDigital outputsYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control	6 Yes
Motor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesDigital outputsYesDigital outputsYesDigital outputsYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit	6 Yes Yes
Motor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking	6 Yes Yes Yes
Protection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function	6 Yes Yes Yes No
Protection against phase inversionYesProtection against locked rotorYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection	6 Yes Yes Yes No Yes
Protection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input	6 Yes Yes Yes No Yes Yes Yes
Protection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss	6 Yes Yes Yes No Yes Yes Yes Yes
Protection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion	6 Yes Yes No Yes Yes Yes Yes Yes
Programmable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes No Yes Yes Yes Yes Yes Yes Yes
Digital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes
Analog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes
Digital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Analog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Monitoring communicationNoOptical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit 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 low load Programmable alarm Digital inputs Analog inputs	6 Yes Yes Yes No Yes
Optical port for programmingRS485Event logYes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs	6 Yes Yes Yes No Yes Yes <tr< td=""></tr<>
Event log Yes	Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs	6 Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
0	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Motor hour counter Yes	Languages View measurements Torque control Adjustable current limit 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	6 Yes Yes Yes No Yes No Yes No RS485

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ENERGY AND AUTOMATION

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Startup counter				Yes
Clock calendar				Yes
Remote external keypa	d			No
Plug-in version				Optional
Input and Output				
Digital inputs				
		Number of digital input	Nr.	3
				2 input with dry
		Disitel issue to a		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,
		Digital input functions		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 analigement		contact 5A
				250VAC - 5A
				30VDC; NC
				contact 3A
				250VAC - 3A 30VDC
				Programmable
				(line contactor,
				run, global alarm,
		Digital output functions		limits, remote
				variable, alarm Axx, user alarm
				Axx, OFF)
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
				+60°C (with current derating
		max	°C	>40°C of 0.5%/
				°C)
	Storage temperature			
		min	°C	-30
		max	°C	+80

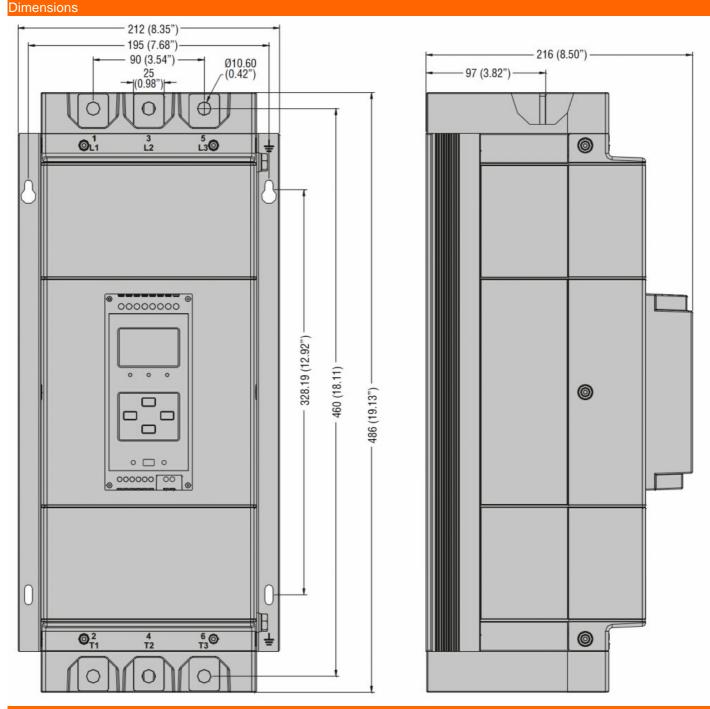
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Max altitude	m	1000 without derating (over 1000mt with current derating of 0.5%/100m)
Relative humidity	%	<80%
Pollution degree		2
Installation category		
Housing		
Mounting		Screw-fixing
IP degree of protection		IP00
Dimensions (W x H x D)	mm	212 x 486 x 216
Weight	Kg	13.9
Disconsistent		



Certifications and compliance

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Compliance		
	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-4-2	
	UL508	
Certificates		
	cULus	
	EAC	
	RCM	
ETIM classificatio	n	
ETIM 8.0		EC000640 - Soft

starter