



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	6	
Rated motor power in-line			
IEC ratings (T≤40°C)			
	230VAC	kW	1.1
	400VAC	kW	2.2
	500VAC	KW	3
UL ratings (T≤40°C)			
	220-240VAC	HP	1.5
	380-415VAC	HP	2
	440-480VAC	HP	3
	550-600VAC	HP	5
Number of controlled phases	Nr.	2	
Built-in bypass	Yes		
Cooling System	Natural or forced (optional)		
Rated insulation voltage Ui	V	600	

Programming interface

Potentiometer	Settings: starting voltage, acceleration ramp, deceleration ramp. Note. Potentiometers can be disabled via NFC.		
Display	No		
Programming with NFC technology	Yes		
Optical port	Yes		

Startup and stop settings

Startup method	Voltage ramp with current limit		
Stop method	Voltage ramp or free-wheel stop		
Acceleration ramp	s	1-20	
Deceleration ramp	s	0-20	
Startup voltage	%	30-80	

Protections

Power supply Protection	No power line, phase loss, frequency out of limits, minimum and maximum voltage and phase sequence
Motor protection	Electronic current thermal protection (overload), locked rotor, current asymmetry, load too low, starting too long
Starter protection	Overtemperature and overcurrent

Functions	
Built-in bypass	Yes
Built-in display and keypad	No
Languages	No
View measurements	No
Torque control	No
Adjustable current limit	Yes
Dynamic braking	No
Kick Start function	No
Motor overload electronic protection	Yes
Motor protection PTC input	No
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	1
Analog inputs	0
Digital outputs	2
Analog output	0
Monitoring communication	No
Optical port for programming	Yes
Event log	No
Motor hour counter	No
Startup counter	No
Clock calendar	No
Remote external keypad	Yes

Input and Output

Digital inputs	Number of digital input	Nr.	1
	Digital input type		Volt-free contact
	Digital input functions		Motor start
Digital outputs	Number of digital output	Nr.	2

Digital output arrangement	2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC
Digital output functions	Programmable: line contactor (Run), TOR (Top Of Ramp), alarm, max torque

Communication interfaces

Communication interface	NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol
-------------------------	---

Ambient conditions

Temperature

Operating temperature

min	°C	-20
max	°C	+60°C (with current derating >40°C)

Storage temperature

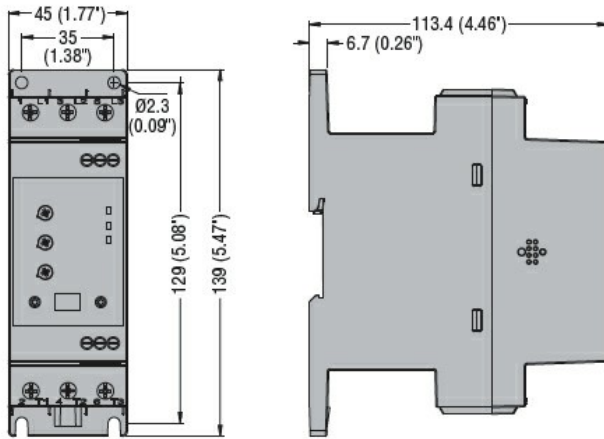
min	°C	-30
max	°C	+80

Max altitude	m	1000 without derating of the starter current
Relative humidity	%	<80%
Pollution degree		2
Installation category		III

Housing

Mounting		Screw-fixing or 35mm DIN rail (IEC/EN/BS 60715)
IP degree of protection		IP20
Dimensions (W x H x D)	mm	45 x 139 x 113.4
Weight	Kg	0.47

Dimensions



Certifications and compliance

Compliance

CSA C22.2 n° 60947-4-2

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-2

UL 60947-4-2

Certificates

cULus

EAC

RCM (pending)

ETIM classification

ETIM 8.0

EC000640 - Soft starter