



### 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	12
Rated motor power in-line			
	IEC ratings (T≤40°C)		
	230VAC	kW	3
	400VAC	kW	5.5
	500VAC	KW	5.5
	UL ratings (T≤40°C)		
	220-240VAC	HP	3
	380-415VAC	HP	5
	440-480VAC	HP	7.5
	550-600VAC	HP	10
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
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### Ambient conditions

#### Temperature

##### Operating temperature

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

##### Storage temperature

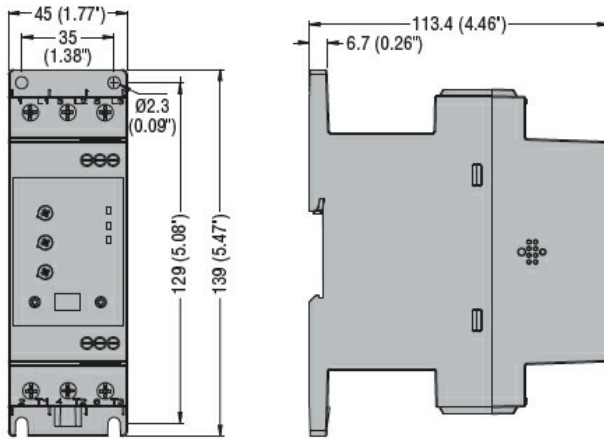
min	°C	-30
max	°C	+80

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