



Electrical features

Supplies voltage

Type of system	Three phase
Rated supply voltage	208...600VAC
auxiliary supply voltage (Us)	100...240VAC
Rated frequency	50/60
Rated starter current Ie	45
Rated motor power in-line	
IEC ratings (T≤40°C)	
230VAC	11
400VAC	22
500VAC	30
UL ratings (T≤40°C)	
220-240VAC	15
380-415VAC	25
440-480VAC	30
550-600VAC	40
Number of controlled phases	2
Built-in bypass	Yes
Cooling System	Forced
Rated insulation voltage Ui	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	1-20
Deceleration ramp	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
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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

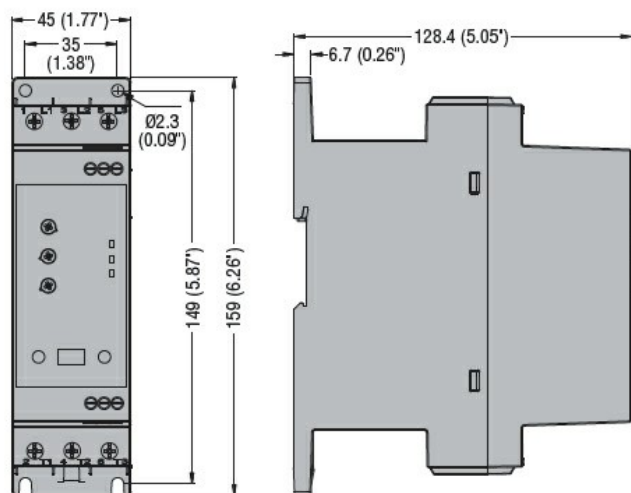
min	°C	-30
max	°C	+80

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 159 x 128.4
Weight	Kg	0.69

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