



Electrical features

Supplies voltage

Type of system	Three phase	
Rated supply voltage	V	380...690VAC
auxiliary supply voltage (Us)		24VAC/DC
Rated frequency	Hz	50/60

Rated starter current Ie	A	104
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Rated motor power in-line

IEC ratings (T≤40°C)

400VAC	kW	55
500VAC	KW	75
690VAC	KW	90

UL ratings (T≤40°C)

380-415VAC	HP	60
440-480VAC	HP	75
550-600VAC	HP	100

Rated motor power inside delta

IEC ratings (T≤40°C)

400VAC	kW	75
500VAC	KW	110
690VAC	KW	132

UL ratings (T≤40°C)

380-415VAC	HP	75
440-480VAC	HP	125
550-600VAC	HP	150

Number of controlled phases	Nr.	3
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Built-in bypass		Yes
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Cooling System		Forced
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Rated insulation voltage Ui	V	690
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Programming interface

Display		LCD graphic display
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Programming with NFC technology		No
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Optical port		No
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Startup and stop settings

Startup method		Constant current, current ramp, voltage ramp, adaptive control
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Stop method		Voltage ramp, adaptive control, free-wheel stop, DC braking, soft stop with braking contactor
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Protections

Auxiliary supply protection	Voltage too low
Power supply Protection	No power, phase loss, phase sequence, frequency out of limits, voltage out of limits
Motor protection	Overload, locked rotor, current asymmetry, current too low, power too low, overtemperature, starting too long
Starter protection	Overcurrent, overtemperature, phase shorted

Functions	
Built-in bypass	Yes
Built-in display and keypad	Yes
Languages	6
View measurements	Yes
Torque control	No
Adjustable current limit	Yes
Dynamic braking	Yes
Kick Start function	Yes
Motor overload electronic protection	Yes
Motor protection PTC input	Thermistor input
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	4
Analog inputs	0
Digital outputs	3
Analog output	1
Optical port for programming	No
Event log	Yes
Motor hour counter	Yes
Startup counter	Yes
Clock calendar	Yes
Remote external keypad	Yes

Input and Output			
Digital inputs	Number of digital input	Nr.	4
	Digital input type		4 input with dry contact + 1 thermistor input
	Digital input functions		1x Start/Stop, 1x Reset and 2 Programmable
Digital outputs			

Number of digital output	Nr.	3
Digital output arrangement		2x 1NO + 1x C/O 1NO Line contactor + 1NO Programmable + 1C/O Programmable
Digital output functions		

Ambient conditions

Temperature

Operating temperature

min	°C	-10
max	°C	+60°C (with current derating >40°C)

Storage temperature

min	°C	-25
max	°C	+60

Max altitude

m	1000 without derating
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Relative humidity

%	<95%
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Pollution degree

3

Housing

Mounting

Screw-fixing

IP degree of protection

IP20

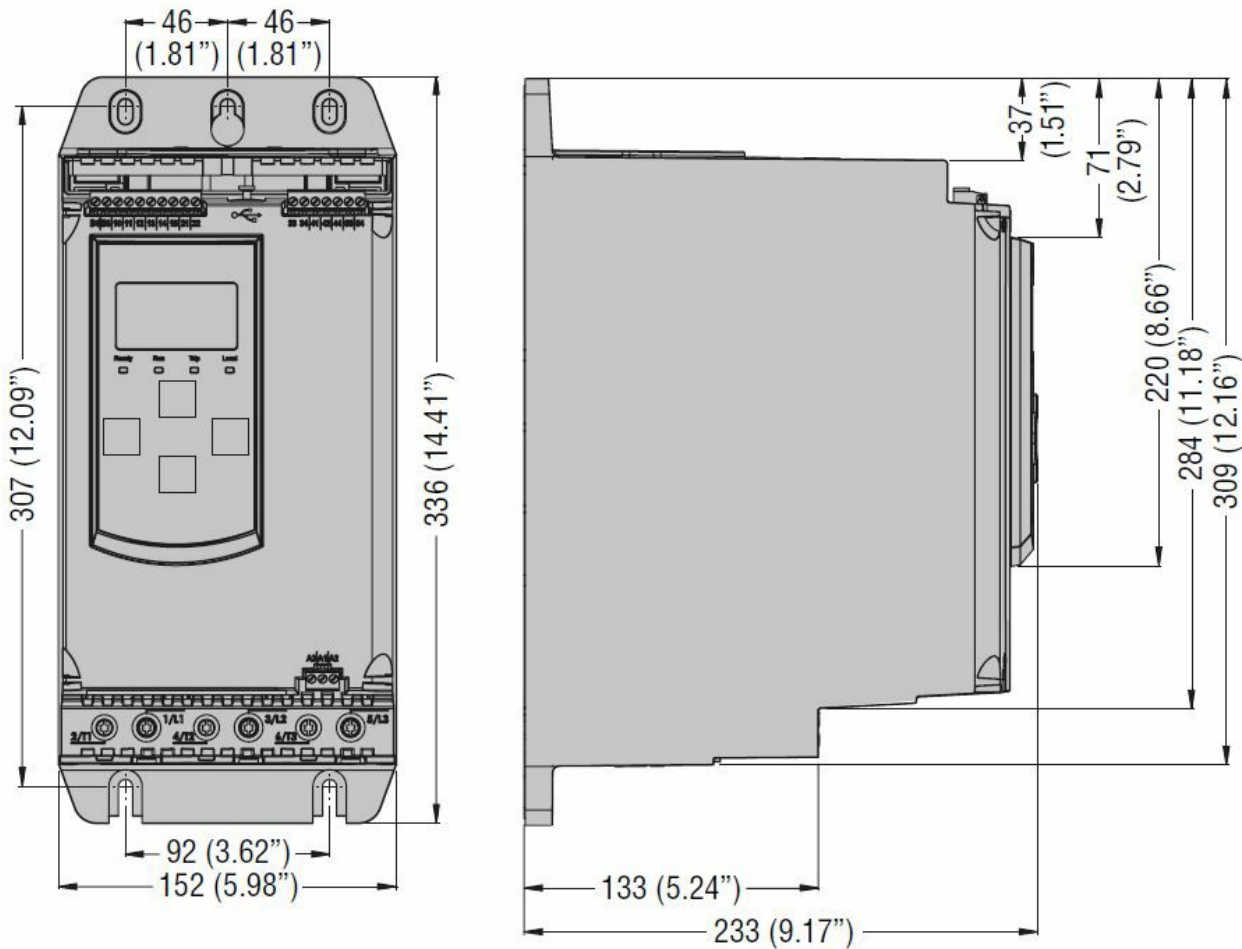
Dimensions (W x H x D)

mm 152x336x233

Weight

Kg 5.5

Dimensions



Certifications and compliance

Compliance

CSA C22.2 n°60947-4-2

IEC/EN/BS 60947-4-2

UL 60947-4-2

Certificates

cULus

RCM

ETIM classification

ETIM 8.0

EC000640 - Soft
starter