



Product designation
Product type designation
Motor type

Soft starter basic
ADXNB
Asynchronous
three phase

Electrical features

Supplies voltage

Type of system		Three phase		
Rated supply voltage		V	208...600VAC	
auxiliary supply voltage (Us)			24VAC/DC	
Rated frequency		Hz	50/60	
Rated starter current Ie		A	12	
Rated motor power				
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		
Display	No		
Programming with NFC technology	No		
Optical port	No		

Startup and stop settings

Startup method	Voltage ramp		
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, phase
sequence
(configurable)

Starter protection

Overtemperature

Functions

Built-in bypass	2
Built-in display and keypad	Yes
Languages	No
View measurements	No
Torque control	No
Adjustable current limit	No
Dynamic braking	No
Kick Start function	No
Motor overload electronic protection	No
Motor protection PTC input	No
Protection against phase loss	No
Protection against phase inversion	Yes
Protection against locked rotor	Yes
Protection against thyristor overtemperature	No
Protection against low load	Yes
Programmable alarm	No
Digital inputs	No
Analog inputs	Yes
Digital outputs	No
Analog output	Yes
Monitoring communication	No
Optical port for programming	Optional
Event log	No
Motor hour counter	No
Startup counter	No
Clock calendar	No
Remote external keypad	No
Plug-in version	No

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		Line contactor (Run), TOR (Top Of Ramp)

Communication interfaces

Communication interface	No
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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

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

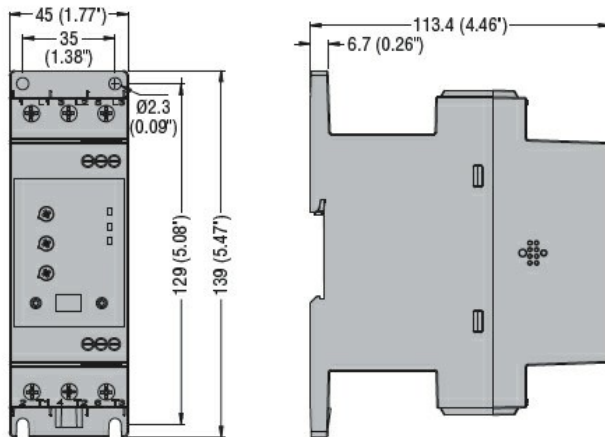
Dimensions (W x H x D)

mm 45 x 139 x 113.4

Weight

Kg 0.45

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