ADXNP045

SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 45A



Product designation			Soft starter advanced
Product type designation			ADXNP
Motor type			Asynchronous three phase
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	45
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	11
	400VAC	kW	22
	500VAC	KW	30
UL ratings (T≤40°C)			
	220-240VAC	HP	15
	380-415VAC	HP	25
	440-480VAC	HP	30
	550-600VAC	HP	40
Number of controlled phases		Nr.	2
Built-in bypass			Yes
Cooling System			Forced
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

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

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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 159 x 128.4
Weight			Kg	0.69
Dimensions				

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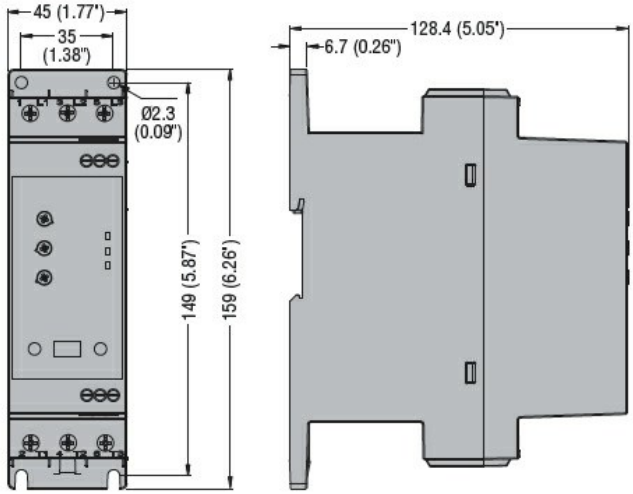

Certifications and compliance

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

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