ADXNP04524

SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. 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)		24VAC/DC
		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			Yes
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			Yes
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			1
Analog inputs			0
Digital outputs			2
Analog output			0
Monitoring communication			No
Optical port for programming			Yes
Event log			Yes
Motor hour counter			No
Startup counter			Yes
Clock calendar			Yes
Remote external keypad			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			

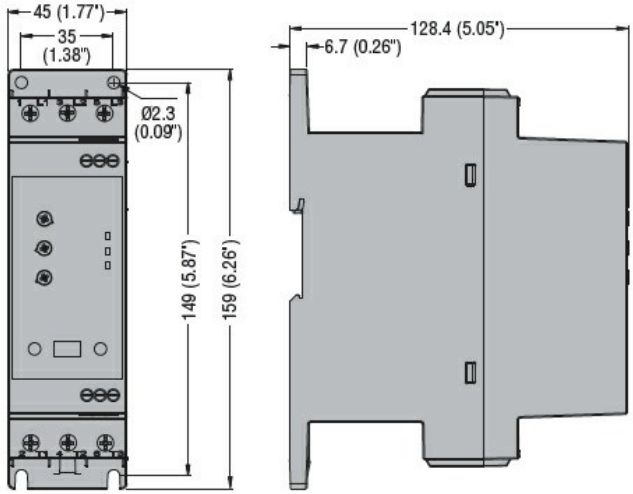
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Number of digital output		Nr.	2
Digital output arrangement			2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC
Digital output functions			Programmable: line contactor (Run), TOR (Top Of Ramp), alarm, max torque
Communication interfaces			
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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