

ADXNP03024 SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 30A



Product designation Product type designation			Soft starter advanced ADXNP
Motor type			Asynchronous three phase
Electrical features			
Supplies voltage			
	Type of system		Three phase
	Rated supply voltage	V	208600VAC
	auxiliary supply voltage (Us)		24VAC/DC
	Rated frequency	Hz	50/60
Rated starter current le		A	30
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	7.5
	400VAC	kW	15
UL ratings (T≤40°C)	500VAC	KW	18.5
OL Tauligs (TS40 C)	220-240VAC	HP	10
	380-415VAC	HP	15
	440-480VAC	HP	20
	550-600VAC	HP	25
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. 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
			0.00

Deceleration ramp

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

0-20

s



ADXNP03024 electric SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY.

ENERGY AND AUTOMATION

AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 30A

Power supply Protection Power	Startup voltage		%	30-80
Power supply Protection Power	Protections			
Motor protection Number of digital input Digital input type Digital input type Digital input type Digital output Digital output Nr. 1 Vol-free contact Motor start Digital output arrangement Digital output arrangement Digital output arrangement Communication interface MFC, optical port for the connection of USB (CX01) and WF-FI (CX02) devices, opticnal RS485 module (CX04) Modous RTU protocol	Power supply Protection			phase loss, frequency out of limits, minimum and maximum voltage and
Statistic protection and overcurrent Input and Output Input and Output Nr. Digital inputs Number of digital input protections Motor start Digital outputs Number of digital output Nr. 2 Digital outputs Number of digital output arrangement Nr. 2 Digital output arrangement 250VAC AC1 - 5A 30 VDC Programmable: Digital output functions (Run), TOR (Top Of Ramp), alarm, max torque Of Ramp), alarm, max torque Communication interfaces VFC, optical port for the connection of USB (CX01) and Wi-FT (CX02) devices, optional RS485 module (CXX4) Modbus RTU protocol Ambient conditions Temperature min °C -20 Gorage temperature min °C -20 +60°C (with current derating -40°C)	Motor protection			thermal protection (overload), locked rotor, current asymmetry, load too low, starting too long
Input and Output Number of digital input Nr. 1 Digital input type Digital input type Volt-free contact Motor start Digital outputs Number of digital output Nr. 2 No contacts Digital outputs Number of digital output Nr. 2 No contacts Digital output arrangement Common, 5A 250VAC AC1 - 5A 30 VDC Programmable: Digital output functions (Run), TOR (Top Of Ramp), alarm, max torque Of Ramp), alarm, max torque NFC, optical port for the connection of USB (CX01) and Wi-FI (CX02) Communication interface Operating temperature NFC, -20 + 60°C (with current derating + 40°C) Ambient conditions Corrange temperature min °C -20 + 60°C (with current derating + 40°C) Storage temperature min °C -30 -30	Starter protection			
Digital inputs Digital inputs Number of digital input type Nr. 1 Digital input type Volt-free contact Motor start Digital outputs Number of digital output Nr. 2 Digital outputs Number of digital output Nr. 2 Digital output arrangement 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Digital output functions Digital output functions Programmable: line contactor (Run), TOR (Top Of Ramp, alarm, max torque Communication interfaces NFC, optical port the connection of USB (CX01) and USB (CX01) and USB (CX01) and RS485 module (CX04) Modbus RTU protocol Ambient conditions Temperature min °C -20 Ambient conditions Temperature min °C -20 Ambient conditions Temperature -20 +60°C (with current derating >40°C)	Input and Output			
Digital input type Digital input functions Volt-free contact Motor start Digital outputs Number of digital output Nr. 2 2 N0 contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC 2000/AC AC1 - 5A 30 VDC 250VAC AC1 - 5A 30 VDC Digital output functions Crean Programmable: line contactor Digital output functions VFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optical RS485 module (CX04) Modbus RTU protocol Ambient conditions VFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optical RS485 module (CX04) Modbus RTU protocol Ambient conditions VFC Temperature min °C -20 +60°C (with current derating >40°C) Storage temperature min °C min °C -30	Digital inputs			
Number of digital output Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 250VAC AC1 - 5A 30 VDC Programmable: line contactor Init of Ramp), alarm, max torque Of Ramp), alarm, max torque Communication interfaces NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional R5485 module (CX04) Modbus RTU protocol Ambient conditions Vi-Fi (CX02) Storage temperature min °C -20 +60°C (with current derating +40°C) Storage temperature min °C		Digital input type	Nr.	Volt-free contact
Digital output arrangement common, 5A 250VAC AC1 - 5A 30 VDC Programmable: line contactor Digital output functions (Run), TOR (Top Of Ramp), alarm, max torque Communication interfaces NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol Ambient conditions Temperature Programme operature min °C -20 +60°C (with max °C) +60°C (with max) +40°C) +60°C) +60°C	Digital outputs	Number of digital output	Nr.	2 NO contacts
Communication interfaces NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol Ambient conditions Temperature Qperating temperature min °C -20 +60°C (with current derating >40°C) Storage temperature min °C -30				common, 5A 250VAC AC1 - 5A 30 VDC Programmable: line contactor (Run), TOR (Top Of Ramp), alarm,
Communication interface for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol Ambient conditions remperature Coperating temperature min °C -20 +60°C (with current derating >40°C) Storage temperature min °C -30	Communication interfaces			
Temperature Operating temperature min °C -20 +60°C (with max °C current derating >40°C) Storage temperature min °C -30	Communication interface			for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus
Operating temperature min °C -20 +60°C (with max °C current derating >40°C) Storage temperature min °C -30	Ambient conditions			
min °C -20 +60°C (with max °C current derating >40°C) Storage temperature min °C -30				
max °C current derating >40°C) >40°C) Storage temperature min °C -30 -30		min	°C	
Storage temperature min °C -30		max	°C	current derating
	Storage temperature			,

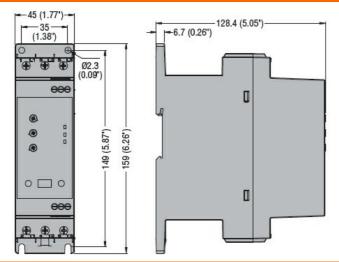
ADXNP03024



ADXNP03024 SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 30A

		1000 without
Max altitude	m	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	0.66

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		
		EC000640 - Soft

ETIM 8.0

EC000640 - Soft starter

ADXNP03024