

ENERGY AND AUTOMATION

SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 45A

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Product designation				Soft starter
Product type designation	1			advanced ADXNP
Motor type				Asynchronous
Electrical features				three phase
Supplies voltage				
		Type of system Rated supply voltage auxiliary supply voltage (Us) Rated frequency	V Hz	Three phase 208600VAC 24VAC/DC 50/60
Rated starter current le			Α	45
Rated motor power	ICC matings (T<40°C)			
	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 440-480VAC	HP HP	25 30
		550-600VAC	HP	40
Number of controlled ph	ases	333 333	Nr.	2
Built-in bypass				Yes
Cooling System				Forced
Rated insulation voltage	Ui		V	600
Programming interface				0.41
Potentiometer				Settings: starting voltage, acceleration ramp, deceleration ramp. Note. Potentiometers
				can be disabled via NFC.
Display	(colored)			No
Programming with NFC	technology			Yes
Optical port Startup and stop settings	3			Yes
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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ADXNP04524

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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 Digital input type Digital input functions	Nr.	1 Volt-free contact Motor start





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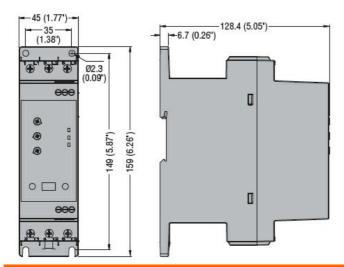
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Number of digital output	Digital autouta				
Digital output arrangement	Digital outputs	Number of digital output	Nr.	2 NO contacts	
Digital output functions		Digital output arrangement		common, 5A 250VAC AC1 - 5A 30 VDC	
NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus RTU protocol NFC (CX04) Modbus RTU protocol (CX04) Modbus RTU protocol NFC (CX04) Modbus RTU protocol (CX04) Modbus RTU protocol NFC (CX04) Modbus RTU protocol (CX04) Modbus RTU protocol NFC (CX04) Modbus RTU protocol (CX04) Modbus RTU protocol NFC (CX04) Modbus RTU protocol (CX04) Modbus RTU protoco	Communication interfaces	Digital output functions		(Run), TOR (Top Of Ramp), alarm,	
For the connection of USB (CXO1) and Wi-Fi (CXO2) devices, optional RS-485 module (CXO4) Modbus RTU protocol Ambient conditions	Communication interfaces			NEC optical port	
Temperature	Communication interface			for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional RS485 module (CX04) Modbus	
Operating temperature	Ambient conditions				
Min C -20	·				
He0°C (with current derating >40°C) Storage temperature min	Operating temperature		0.0	00	
Max °C 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%		min			
min max °C max -30 max Max altitude 1000 without derating of the starter current Relative humidity % <80%		max	°C	current derating	
Max altitude max °C +80 Max altitude 1000 without derating of the starter current Relative humidity % <80%	Storage temperature				
Max altitude m 1000 without derating of the starter current Relative humidity % <80%					
Max altitude m derating of the starter current Relative humidity % <80%		max	-°C		
Relative humidity % <80% Pollution degree 2 Installation category III Housing 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	Max altitude		m	derating of the	
Installation category III Housing 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	Relative humidity		%		
HousingMountingScrew-fixing or 35mm DIN rail (IEC/EN/BS 60715)IP degree of protectionIP20Dimensions (W x H x D)mm $45 \times 159 \times 128.4$ WeightKg 0.69	Pollution degree			2	
$\begin{array}{c} \text{Mounting} & \begin{array}{c} \text{Screw-fixing or} \\ 35\text{mm DIN rail} \\ \text{(IEC/EN/BS} \\ 60715) \\ \\ \text{IP degree of protection} & \text{IP20} \\ \\ \hline \text{Dimensions (W x H x D)} & \text{mm} & 45 \text{ x } 159 \text{ x } 128.4 \\ \\ \text{Weight} & \text{Kg} & 0.69 \\ \end{array}$				Ш	
Mounting 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	Housing				
IP degree of protection IP20 Dimensions (W x H x D) mm 45 x 159 x 128.4 Weight Kg 0.69	Mounting			35mm DIN rail (IEC/EN/BS	
Dimensions (W x H x D) mm 45 x 159 x 128.4 Weight Kg 0.69	IP degree of protection				
Weight Kg 0.69	- ·		mm		
	,				



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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