

ENERGY AND AUTOMATION

SOFT STARTER, ADXNP... TYPE, ADVANCED VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 100...240VAC. RATED OPERATIONAL VOLTAGE 208...600VAC, 38A

Product designation			Soft starter
Product type designation			advanced ADXNP
Motor type			Asynchronous
			three phase
Electrical features Supplies voltage			
	Type of system Rated supply voltage auxiliary supply voltage (Us) Rated frequency	V Hz	Three phase 208600VAC 100240VAC 50/60
Rated starter current le		Α	38
Rated motor power			
IEC ratings (T≤40°C)	230VAC	kW	11
	400VAC	kW	18.5
	500VAC	KW	22
UL ratings (T≤40°C)	000 0401/40		40
	220-240VAC 380-415VAC	HP HP	10 20
	440-480VAC	HP	25
	550-600VAC	HP	30
Number of controlled phases		Nr.	2
Built-in bypass			Yes
Cooling System			Forced
Rated insulation voltage Ui		V	600
Programming interface			Cottingo, starting
Potentiometer			Settings: starting voltage, acceleration ramp, deceleration
			ramp. Note. Potentiometers can be disabled via NFC.
Display			No
Programming with NFC technology			Yes
Optical port Startup and stop settings			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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ADXNP038

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Startup voltage	%	30-80
Protections		
		No power line,
		phase loss,
Power supply Protection		frequency out of limits, minimum
1 Ower supply 1 Totection		and maximum
		voltage and
		phase sequence
		Electronic current
		thermal
		protection
Materialisa		(overload),
Motor protection		locked rotor,
		current asymmetry, load
		too low, starting
		too long
Starter protection		Overtemperature
Functions		and overcurrent
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		
I	Number of digital input Nr.	1
	Digital input type	Volt-free contact
	Digital input functions	Motor start





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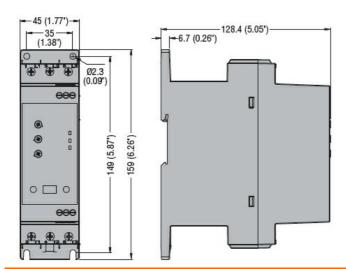
Number of digital output	Digital autouta			
Digital output arrangement	Digital outputs	Number of digital output	Nr.	2 NO contacts
Digital output functions		Digital output arrangement		common, 5A 250VAC AC1 - 5A 30 VDC
NFC, optical port for the connection of USB (CX01) and Wi-Fi (CX02) devices, optional 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 ontical 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