ADXNP03024

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



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	30
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	7.5
	400VAC	kW	15
	500VAC	KW	18.5
UL ratings (T≤40°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
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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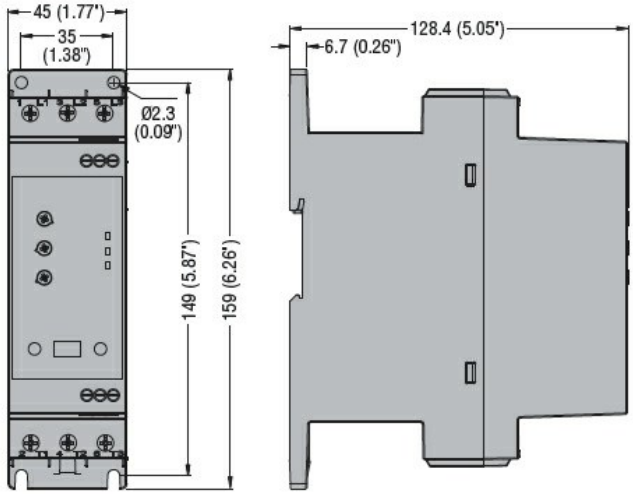
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		Number of digital output	Nr.	2
		Digital output arrangement		2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC
		Digital output functions		Programmable: line contactor (Run), TOR (Top Of Ramp), alarm, max torque
Communication interfaces				
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	0.66
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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