**ENERGY AND AUTOMATION** 

软启动器, ADXNB... 型号, 基本型, 带集成旁路继电器, 内置风扇. 辅助电源 24VAC/DC. 额定工作电压 208...600VAC, 45A



Product designation
Product type designation

Soft starter basic ADXNB Asynchronous three phase

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		Α	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			
			Settings: starting
			voltage,
Potentiometer			acceleration
			ramp, deceleration
			ramp
Display			No
Programming with NFC technology			No
Optical port			No
Startup and stop settings			
Startup method			Voltage ramp
·			Voltage ramp or
Stop method			free-wheel stop
Acceleration ramp		s	1-20
Deceleration ramp		S	0-20
Startup voltage		%	30-80
Protections			

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Starter protection Functions  Built-in bypass  Built-in display and keypad  Languages  No View measurements  No View measurements  No Overtemperature View measurements No Overtemperature No Motor overload electronic protection Motor protection protection protection No Overtemperature View protection against phase inversion View protection against phase inversion View protection against phase inversion View protection against protection pro	Power supply Protection			No power line, phase loss, frequency out of limits, phase sequence (configurable)
Bull-in bypass 2 Bull-in bypass 2 Languages No Wes measurements No Torque control No Adjustable current limit No Dynamic braking No Motor overload electronic protection No Motor overload electronic protection No Motor protection against phase inversion Yes Protection against phase inversion Yes Protection against phase inversion Yes Protection against phase loss No No Protection against phase loss No No Digital outputs No No Optical poutput No Optical port for programming No Optical port for programming Optional Ves No Motor hour counter No No Motor hour counter No No No Motor hour counter No No No Optical port for programming No No No Motor hour counter No No No Optical input type Digital input type Digital input type Digital input type Digital input tunctions No No No Input and Output Digital input functions No Line contactor (km, ToR, ToR, Top Of Ramp)  Communication interfaces Communication interfaces Communication interfaces Communication interfaces Communication interfaces	Starter protection			
Built-in bypass	·			
Built-in display and keypad Languages No Ves Languages No View measurements No Adjustable current limit No Adjustable current limit No Motor braking No Motor braking No Motor overload electronic protection Motor protection protection PTC input No Motor protection against phase inversion Protection against phase inversion Protection against phase inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor No Protection against with sit or were inversion Protection against with sit or were inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor No Protection against locked rotor No Protection against locked rotor Protection against				2
Languages				
View measurements  Torque control  Torque control  Adjustable current limit  No  Adjustable current limit  No  Kick Start function  Motor overload electronic protection  Motor protection against phase loss  Protection against phase inversion  Yes  Protection against phase inversion  Yes  Protection against phase inversion  No  Protection against locked rotor  Protection against live locked rotor  Protection against live load  Yes  Protection against low load  Yes  Programmable alarm  No  Digital inputs  No  Analog inputs  Yes  Monitoring communication  No  Analog output  Yes  Monitoring communication  No  Optical port for programming  Coptional  Event log  Motor hour counter  No  Motor hour counter  No  Startup counter  Clock calendar  No  Clock calendar  No  No  Remote external keypad  No  Digital inputs  Pugrial version  Digital inputs  No  Digital inputs  No  Digital input type  Digital output arrangement  No  Communication interfaces  Communication interfaces  Communication interfaces				·
Torque control Adjustable current limit No Adjustable current limit No No No No No Kick Start function No Motor overload electronic protection No Motor protection PTC input No Protection against phase loss No Protection against phase inversion Protection against phase inversion Protection against thyristor overlemperature No Protection against thyristor overtemperature No Protection against tow load Programmable alarm No Digital inputs No Analog inputs No Analog output Yes Monitoring communication Optical port for programming Event log No Motor protection against locked Digital inputs No Digital inputs No No No Digital inputs No No No No No No No Digital input speech of programming Digital output No Digital inputs No Digital input speech on No Digital inputs No Digital input type Digital input type Digital input type Digital input type Digital output arrangement Digital outputs Digital output arrangement Digital output functions D				
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Dynamic braking Kick Start function No Motor overload electronic protection No Motor overload electronic protection No Motor overload electronic protection No Protection against phase loss No Protection against phase loss Protection against phase loss Protection against phase loss Protection against locked rotor Protection against locked rotor Protection against loving thyristor overtemperature No Protection against loving thyristor overtemperature Protection against loving thyristor overtemperature No Digital inputs No Analog inputs No Digital inputs No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Motor hour counter No Clock calendar No Remote external keypad No Remote external keypad No Digital inputs No Digital input type Digital output arrangement Digital output arrangement Digital output arrangement Digital output functions No Communication interfaces Communication interfaces Communication interfaces Communication interfaces	·			
Kick Start function Motor overload electronic protection Motor overload electronic protection Motor protection PTC input Protection against phase loss No Protection against phase inversion Protection against thyristor overtemperature Protection against thyristor overtemperature No Protection against thyristor overtemperature No Protection against thyristor overtemperature No Digital inputs No Analog inputs No Analog inputs No Analog output No Analog output Yes Monitoring communication No Optical port for programming No Motor hour counter No Startup counter No Clock calendar No Clock calendar No Plug-in version Input and Output Digital inputs Digital inputs No Digital inputs Digital input output Digital input functions Digital outputs Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1-5A 30 VDC Line contactor (Run), TOR (Top Of Ramp) Communication interfaces Communication interfaces Communication interfaces				
Motor overload electronic protection Motor protection PTC input No Motor protection against phase loss Protection against phase inversion Protection against phase inversion Protection against phase inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor Protection against low load Protection against phase livers Programmable alarm No No No Analog inputs No Optical port for programming No Optical p				
Motor protection PTC input Protection against phase loss No Protection against phase inversion Protection against loked rotor Protection against thyristor overtemperature Protection against thyristor overtemperature No Protection against thyristor overtemperature No Protection against low load Protection against low load Protection against low load No Digital inputs No Digital inputs No Digital outputs No Analog inputs Yes Digital outputs No Analog output Yes Monitoring communication No Optical port for programming Optional Event log No Motor hour counter No Startup counter No Startup counter No Remote external keypad No Remote external keypad No Input and Output Digital inputs Digital inputs Number of digital input Digital input type Digital input tyne Digital input tyne Digital input tyne Digital outputs  No Digital outputs Digital output arrangement Digital output functions Digita				
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Protection against locked rotor         Yes           Protection against thyristor overtemperature         No           Protection against low load         Yes           Programmable alarm         No           Digital inputs         No           Analog inputs         Yes           Digital outputs         No           Analog output         Yes           Monitoring communication         No           Optical port for programming         Optional           Event log         No           Motor hour counter         No           Startup counter         No           Clock calendar         No           Remote external keypad         No           Plug-in version         No           Digital inputs         No           Input and Output         Volt-free contact           Digital input functions         Motor start           Digital outputs         Nr. 2           Input and Output         Nr. 2           Digital output arrangement         Common, SA           250VAC AC1-5A 30 VDC         A 30 VDC           Line contactor (Run), TOR (Top Of Ramp)           Communication interfaces         No	·			
Protection against thyristor overtemperature Protection against low load Protection against low load Programmable alarm No Digital inputs No Analog inputs Pes Digital outputs No Analog outputs No Optical port for programming No Startup counter No Digital input sersion Input and Output Digital inputs  No Input and Output Digital input type Digital input functions Digital outputs  No Digital output arrangement Digital output arrangement Digital output trunctions Digital output trunctions Digital output trunctions Digital output functions Digital output functions Digital output interfaces Communication interfaces Communication interfaces No				
Protection against low load Programmable alarm No Digital inputs No Analog inputs No Analog output No Analog output No Optical port for programming Event log No Motor hour counter No Startup counter No Remote external keypad No Input and Output Digital inputs Digital inputs No Digital outputs No Digital outputs No Digital outputs No Digital outputs No Digital output functions Digital output arrangement Digital output transperser Digital output functions No Communication interfaces Communication interfaces Communication interfaces No	-			
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Digital outputs  Analog output  Montoring communication  Optical port for programming  Event log  Motor hour counter  No  Startup counter  Clock calendar  Remote external keypad  Plug-in version  Digital inputs  Number of digital input type Digital input functions  Digital outputs  Number of digital output  Digital output  Digital output arrangement  Digital output arrangement  Digital output functions  Communication interfaces  Communication interfaces  Communication interfaces  Communication interfaces  No  Optional  No  No  No  No  No  No  No  No  No  N				
Analog output Yes  Monitoring communication No Optical port for programming Optional  Event log No Motor hour counter No Startup counter No Clock calendar No Remote external keypad No Input and Output Digital inputs  Number of digital input type Digital input type Digital input functions  No Digital outputs  Number of digital output functions  Number of digital output functions  Number of digital output functions  Nir. 1 Volt-free contact Motor start  Number of digital output Digital output functions  Digital output arrangement Digital output functions Digital output functions Digital output functions No  No Clock calendar No				
Monitoring communication No Optical port for programming Optional  Event log No Motor hour counter No Startup counter No Clock calendar No Remote external keypad No Plug-in version No Input and Output Digital inputs Nr. 1 Digital input type Digital input type Digital input functions No  Digital outputs  Nr. 2 2 NO contacts with the same Digital output arrangement Communication interfaces  Communication interfaces  Communication interfaces  No No Optional No No Optional No				
Optical port for programming       Optional         Event log       No         Motor hour counter       No         Startup counter       No         Clock calendar       No         Remote external keypad       No         Plug-in version       No         Input and Output       Nr.       1         Digital inputs       Volt-free contact Motor start         Digital outputs       Number of digital input type Digital input functions       No         Digital outputs       Nr.       2         2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top OR Ramp)       250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top OR Ramp)         Communication interfaces       No				
Event log No  Motor hour counter No Startup counter No Clock calendar No Remote external keypad No Plug-in version No Input and Output  Digital inputs  Number of digital input type Digital input functions  Digital outputs  Number of digital output Nr. 1  Number of digital output Nr. 2  2 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interfaces  No  No  No  No  No  No  No  No  No  N				
Motor hour counter       No         Startup counter       No         Clock calendar       No         Remote external keypad       No         Plug-in version       No         Input and Output       Nr.         Digital input s       Number of digital input type Digital input type Digital input functions       Volt-free contact Motor start         Digital outputs       Number of digital output       Nr.       2         Number of digital output arrangement       2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)         Communication interfaces       Digital output functions       No				
Startup counterNoClock calendarNoRemote external keypadNoPlug-in versionNoInput and OutputNr.Digital inputsNr.1Digital input typeVolt-free contact Motor startDigital outputsNr.2Number of digital outputNr.22 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)Communication interfacesNo				
Clock calendar  Remote external keypad  Plug-in version  No  Input and Output  Digital inputs  Number of digital input type Digital input type Digital input functions  Number of digital input type Digital output functions  Digital outputs  Number of digital output Nr. 2 2 NO contacts with the same Common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interfaces  Communication interfaces				
Remote external keypad No Plug-in version No Input and Output  Digital inputs  Number of digital input type Digital input type Digital input functions  Number of digital output functions  Noter start  Digital outputs  Noter and output Noter and output Noter and output functions  Digital output arrangement Common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interfaces  No	·			
Plug-in version Input and Output  Digital inputs  Number of digital input type Digital input type Digital input functions  Number of digital input type Digital input functions  Number of digital output functions  Number of digital output  Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interfaces  No				
Digital inputs    Number of digital input   Nr.   1				
Digital inputs    Number of digital input   Nr.   1     Digital input type   Volt-free contact     Digital input functions   Motor start	ū			INO
Number of digital input type Digital input type Digital input type Digital input functions Motor start  Digital outputs  Number of digital output functions Motor start  Number of digital output Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interfaces  No				
Digital input type Digital input functions Motor start  Digital outputs  Number of digital output Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface  Communication interface  Digital input type Volt-free contact Motor start  No.	Digital inputs	Number of digital input	Nle	1
Digital input functions  Number of digital output  Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  Communication interface  No			INI.	
Digital outputs  Number of digital output  Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interfaces  No				
Number of digital output  Nr. 2 2 NO contacts with the same common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface  No	Digital outputs	Digital input functions		Wiotor Start
Digital output arrangement  Digital output arrangement  Digital output arrangement  Digital output functions  Digital output functions  Digital output functions  Communication interfaces  Communication interface  No	Digital outputs	Number of digital output	Nir	2
250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface  No		Number of digital output	INI.	2 NO contacts
Digital output functions (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface No		Digital output arrangement		250VAC AC1 - 5A 30 VDC
Communication interface No	Communication interfaces	Digital output functions		(Run), TOR (Top
				No
Ambient Conditions				INU
	Ambient conditions			



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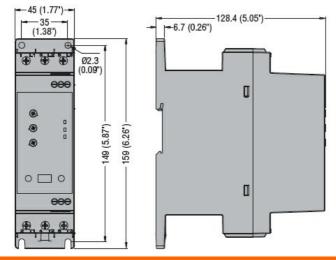
## Temperature

Operating ter	mperature			
		min	°C	-20
				+60°C (with
		max	°C	current derating
				>40°C)
Storage temp	perature			
		min	°C	-30
		max	°C	+80
				1000 without
Max altitude			m	derating of the
				starter current
Relative humidity			%	<80%
Pollution degree				2
Installation category				III
Housing				
				Screw-fixing or

IΡ	degree	(

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	0.66
Dr		

## 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

**ETIM 8.0** 

EC000640 - Soft starter