



## SOFT STARTER, ADXNB... TYPE, BASIC VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 38A



Product designation
Product type designation

Soft starter basic ADXNB Asynchronous

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	38
Rated motor power			
IEC ratings (T≤40°C)			
	230VAC	kW	11
	400VAC	kW	18.5
	500VAC	KW	22
UL ratings (T≤40°C)			
	220-240VAC	HP	10
	380-415VAC	HP	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			
			Settings: starting
			voltage,
Potentiometer			acceleration
Totoritionictor			ramp,
			deceleration
			ramp
Display			No
Programming with NFC technology			No
Optical port			No
Startup and stop settings			
Startup method			Voltage ramp
Stop method			Voltage ramp or
			free-wheel stop
Acceleration ramp		S	1-20
Deceleration ramp		S	0-20
Startup voltage		%	30-80
Protections			





# SOFT STARTER, ADXNB... TYPE, BASIC VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 38A

Starter protection Functions  Sulti-in bypass  2 Suiti-in display and keypad  Languages  No View measurements  No Algustable current limit  No Dynamic braking  Kick Start function  Motor overload electronic protection  Motor protection PTC input  Protection against phase inversion  Protection against thyristor overtemperature  No Digital inputs  No Digital inputs  No Digital inputs  No Analog inputs  No Analog urbust  No Optical port for programming  Optional  Event log  Motor hour counter  Startup counter  Clock calendar  No Digital inputs  No Digital inputs  No Digital input to programming  No Communication interfaces	Power supply Protection			No power line, phase loss, frequency out of limits, phase sequence (configurable)
Built-in bipsas 2 Built-in display and keypad Yes Languages No Ves Languages No Vo Vew measurements No Adjustable current limit No Adjustable current limit No No Motor protection protection No Motor overload electronic protection Motor protection protection PTC input No Motor protection against phase inversion Yes Protection against phase inversion Yes Protection against thyristor overtemperature No Protection against thyristor overtemperature No Digital inputs No Analog inputs No Analog output Yes Monitoring communication Optical port for programming Optional Event log No Motor bur counter No Motor protection against phase inversion Yes Digital input puts No Motor protection against thyristor overtemperature No Digital inputs No Analog output Yes Monitoring communication No Optical port for programming Optional Event log No Motor hour counter No Motor hour counter No Digital input throations Digital input type Digital input throations Digital input type Digital input throations Digital inputs Digital input trunctions Digital input to programming Digital input trunctions Digital input trunctions Digital inputs Digital output arrangement Digital output tunctions Digital output intentions Di	Starter protection			
Built-in bypass	·			
Built-in display and keypad Languages No Ves Languages No No View measurements No Adjustable current limit No Dynamic braking No Kick Stant function No Motor overload electronic protection Motor protection protection protection Motor protection PTC input No Protection against phase inversion No Protection against phase inversion Protection against phase inversion Protection against phase inversion Protection against phase inversion No Digital inputs No Digital inputs No Analog inputs No Analog output No Optical port for programming Optional Event log No Motor hour counter No Clock calendar No Clock calendar No Digital inputs No Digital inputs No Digital inputs Digital input wersion Digital input sersion Digital outputs No Digital output Digital input functions Digital output Digital output Digital output Digital output Digital output Digital output Digital input functions Digital output functions No Communication interfaces Communication interfaces	Built-in bypass			2
Languages View measurements No View measurements No Adjustable current limit No Adjustable current limit No Dynamic braking No Motor overload electronic protection No Motor overload electronic protection No Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against phase inversion Protection against thyristor overlemperature Protection against thyristor overlemperature No Protection against thyristor overlemperature Protection against locked rotor Programmable alarm No Digital inputs No Analog inputs Digital outputs No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Startup counter No Digital inputs No Digital inputs No Digital input success Digital input type Digital output arrangement Digital output arrangement Digital output arrangement Digital output functions No Communication interfaces Communication interfaces Communication interfaces Communication interfaces				Yes
View measurements         No           Torque control         No           Adjustable current limit         No           Dynamic braking         No           Kick Start function         No           Motor overload electronic protection         No           Motor protection PTC input         No           Protection against phase loss         No           Protection against phase inversion         Yes           Protection against phase inversion         Yes           Protection against thyristor overtemperature         No           Protection against low load         Yes           Protection against low load         Yes           Programmable alarm         No           Digital inputs         No           Programmable alarm         No           Digital outputs         No           Analog output         Yes           Monitoring communication         No           Optical port for programming         Optical           Event log         No           Motor hour counter         No           Startup counter         No           Clock calendar         No           Puly in version         No           Digital input sersion         N				No
Adjustable current limit Dynamic braking No No No No Motor overload electronic protection Motor protection PTC input No Protection against phase loss No Protection against phase inversion No Protection against phase inversion Protection against phase inversion No Protection against phase inversion Protection against phase inversion No Digital inputs No Analog output Pres Monitoring communication No Optical port for programming Optional Event log No Motor hour counter No Clock calendar No Clock calendar No Remote external keypad No Plug-in version No Digital inputs  No Digital input functions Digital inputs Digital output Digital input functions Digital output arrangement Digital output functions No Communication interfaces Communication interfaces Communication interfaces Communication interfaces				No
Adjustable current limit Dynamic braking No Dynamic braking No Motor overload electronic protection Motor protection PTC input No Motor protection PTC input No Protection against phase loss Protection against phase inversion Protection against phase inversion Protection against by some protection No Protection against by some protection No Protection against by some protection No Protection against stry is coveremperature No Protection against stry is coveremperature No Digital inputs No Digital outputs No Analog inputs No Digital outputs No Optical port for programming No Optical port for programmi	Torque control			No
Dynamic braking Kick Start function Kick Start function Motor overload electronic protection Motor overload electronic protection Motor overload electronic protection Motor protection against phase loss Protection against phase inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor Protection against low load Protection against load Protection against load Protection against locked roto Protection again	·			No
Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss No Protection against phase loss No Protection against phase inversion Protection against thyristor overtemperature No Protection against thyristor overtemperature No Protection against thyristor overtemperature No Digital inputs No Analog inputs No Digital output No Digital output No Motor hour counter No Startup counter Clock calendar Remote external keypad No Plug-in version Digital inputs Digital inputs No Digital inputs No Digital input type Digital input type Digital input type Digital input type Digital outputs No Digital outputs No Digital input type Digital outputs No Digital outputs No Digital output arrangement Digital output trunctions Digital output incontact				No
Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor Protection against thyristor overtemperature Protection against thyristor overtemperature Protection against invirsion Protection against thyristor overtemperature No Protection against invirsion Protection against thyristor overtemperature No Digital inputs No Analog output No Analog inputs No Analog output No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Startup counter No Startup counter No Clock calendar No Remote external keypad No Remote external keypad No Plug-in version Input and Output Digital inputs Digital input type Digital input type Digital input type Digital input type Digital outputs  No Digital outputs Digital outputs Digital output arrangement Digital output functions Digital output functions Digital output functions Or Ramp)  Communication interfaces				No
Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against locked rotor Protection against locked rotor Protection against thyristor overtemperature Protection against thyristor overtemperature Protection against invirsion Protection against thyristor overtemperature No Protection against invirsion Protection against thyristor overtemperature No Digital inputs No Analog output No Analog inputs No Analog output No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Startup counter No Startup counter No Clock calendar No Remote external keypad No Remote external keypad No Plug-in version Input and Output Digital inputs Digital input type Digital input type Digital input type Digital input type Digital outputs  No Digital outputs Digital outputs Digital output arrangement Digital output functions Digital output functions Digital output functions Or Ramp)  Communication interfaces	Motor overload electronic protection			No
Protection against phase loss Protection against phase inversion Protection against phase inversion Protection against thyristor overtemperature Protection against low load Programmable alarm No Digital inputs No Analog inputs No Analog inputs No Analog output No Analog output No Analog output No Analog output No Optical port for programming Optional Event log No Optical port for programming No Optional Event log No Startup counter No Control counter No Input and Output Digital input type Digital input type Digital input type Digital input type Digital input functions No Startup Counter No Control counter No Startup Counter No Control counter No Communication interfaces Common, 5A 250VAC AC1 - 5A 30 VDC Line contactor (Run), TOR (Top Orl Ramp) Communication interfaces	·			No
Protection against locked rotor         Yes           Protection against thyristor overtemperature         No           Protection against low load         Yes           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. 1           Digital output         Nr. 2           2 No contacts with the same common, SA 250VA CAC1 - SA 30 VDC Line contactor (Run), TOR (Top Of Ramp)           Communication interfaces         No           Communication interfaces         No	Protection against phase loss			No
Protection against thyristor overtemperature Protection against low load Protection against low load Programmable alarm No Digital inputs No Analog inputs Pres Digital outputs No Analog output No Optical port for programming No Optical port for programmi				Yes
Protection against thyristor overtemperature Protection against low load Protection against low load Programmable alarm No Digital inputs No Analog inputs No Analog inputs No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Clock calendar No Clock calendar No Plug-in version Digital inputs Digital inputs Digital inputs Digital outputs  Number of digital input Digital input type Digital input functions Digital outputs Digital output arrangement Digital output arrangement Digital output functions No Communication interfaces Communication interfaces No	Protection against locked rotor			Yes
Protection against low load Programmable alarm No Digital inputs No Analog inputs Yes Digital outputs No Analog output No Optical port for programming Vent log No Motor hour counter No Startup counter No Clock calendar Remote external keypad Pigital inputs Digital inputs Digital inputs Digital inputs Digital outputs No Digital output  No Digital input type Digital input type Digital input type Digital output arrangement Digital output arrangement Digital output functions No Communication interfaces Communication interfaces Communication interfaces Communication interfaces Communication interfaces Communication interfaces  No				No
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 Plug-in version No Input and Output Digital inputs Digital inputs Digital output sarrangement Digital output arrangement Digital output arrangement Digital output functions Digital output				Yes
Digital inputs				No
Analog inputs Digital outputs No Analog output No Analog output No Optical port for programming Optional Event log No Motor hour counter No Startup counter No Clock calendar Remote external keypad No Plug-in version No Input and Output Digital inputs  Number of digital input type Digital input functions Digital outputs  Nr. 1 Volt-free contact Wotor start  No Digital output arrangement Digital output functions No Communication interfaces Communication interfaces Communication interfaces  No				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 Input and Output Digital inputs  Number of digital input type Digital input functions  Digital outputs  Number of digital output  Nr. 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  Digital output functions  No Communication interfaces  Communication interfaces				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 Input and Output Digital inputs Nr. 1 Digital input type Digital input type Digital input functions  No Digital outputs  Number of digital output Digital output arrangement Digital output arrangement Digital output trunctions Digital output functions No  Communication interfaces Communication interfaces	Digital outputs			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.         Digital input sype       Volt-free contact         Digital input type       Volt-free contact         Digital outputs       Nr.       2         Number of digital output       Nr.       2         2 NO contacts with the same       common, 5A         250VAC AC1 - 5A 30 VDC       Line contactor         Exposure for the programming of the properties of the p	Analog output			Yes
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 Digital output functions Digital output arrangement Digital output arrangement Digital output arrangement Digital output functions Digital output functions Digital output functions Digital output arrangement Digital output functions Digital output functions Digital output functions No  Communication interfaces Communication interfaces No	Monitoring communication			No
Motor hour counter       No         Startup counter       No         Clock calendar       No         Remote external keypad       No         Plug-in version       No         Input and Output       Nr.         Digital inputs       Nr.       1         Digital input type       Volt-free contact         Digital outputs       Number of digital output       Nr.       2         2 NO contacts with the same       vith the same         Digital output arrangement       common, 5A       250VAC AC1 - 5A 30 VDC         Line contactor       (Run), TOR (Top Of Ramp)         Communication interfaces       No	Optical port for programming			Optional
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 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	Event log			No
Clock calendar Remote external keypad No Plug-in version No Input and Output  Digital inputs  Number of digital input type Digital input type Digital input type Digital outputs  Number of digital input functions  Number of digital output Nr. 1 Digital outputs  Number of digital output Nr. 2 2 NO contacts with the same Digital output arrangement  Digital output arrangement  Digital output functions  Digital output functions  Digital output functions  No  Communication interfaces  Communication interfaces  No	Motor hour counter			No
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 Nr. 1  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	Startup counter			No
Plug-in version Input and Output  Digital inputs  Number of digital input type Digital input type 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  No	Clock calendar			No
Input and Output  Digital inputs  Number of digital input type Volt-free contact Digital input functions  Number of digital input type Volt-free contact 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 interfaces  No	Remote external keypad			No
Digital inputs    Number of digital input   Nr.   1     Digital input type   Volt-free contact     Digital output functions   Motor start	Plug-in version			No
Number of digital input type Volt-free contact Digital input type Digital input functions Motor start  Digital outputs  Number of digital output Incidence N	Input and Output			
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			
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 interface  No			Nr.	1
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  No				Volt-free contact
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		Digital input functions		Motor 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			
Digital output arrangement  Digital output arrangement  Digital output arrangement  Digital output functions  Digital output functions  Digital output functions  (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface  No		Number of digital output	Nr.	
Digital output functions (Run), TOR (Top Of Ramp)  Communication interfaces  Communication interface No		Digital output arrangement		with the same common, 5A 250VAC AC1 -
Communication interface No		Digital output functions		(Run), TOR (Top
Ambient conditions				No
	Ambient conditions			



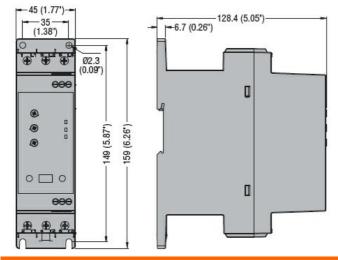


SOFT STARTER, ADXNB... TYPE, BASIC VERSION, WITH INTEGRATED BY-PASS RELAY, BUILT-IN FAN. AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 38A

#### **Temperature**

l emperature				
	Operating temperature			
		min	°C	-20
				+60°C (with
		max	°C	current derating
				>40°C)
	Storage temperature			
		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
Mounting				35mm DIN rail
Mounting				(IEC/EN/BS
				60715)
IP degree of protection	on			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 60947-4-2 UL 60947-4-2

### Certificates

CULus
EAC
RCM (pending)

#### ETIM classification

ETIM 8.0 EC000640 - Soft starter