



Soft Starter
ADX...B
Asynchronous
three phase

Product designation
Product type designation
Motor type

Electrical features

Supplies voltage	Type of system		Three phase
	Rated supply voltage	V	208...500VAC
	auxiliary supply voltage (Us)		208...240VAC
	Rated frequency	Hz	50/60
Rated starter current Ie		A	85
Rated motor power	IEC ratings (T≤40°C)		
	230VAC	kW	22
	400VAC	kW	45
	500VAC	KW	55
	UL ratings (T≤40°C)		
	220-240VAC	HP	30
	380-415VAC	HP	50
	440-480VAC	HP	60
Number of controlled phases		Nr.	3
Built-in bypass			Yes
Cooling System			Forced
Display			Backlit LCD 2x16 character
Programming with NFC technology			No
Optical port			No
Startup method			Torque or voltage ramp with current limitation
Stop method			Torque ramp, voltage ramp, free-wheel stop
Braking method			DC dynamic with external relay
Auxiliary supply protection			Voltage too low
Power supply Protection			No power, phase loss, phase sequence, frequency out of limits, minimum and maximum voltage

Motor protection	Overload at starting (trip class 2, 10A, 10, 15, 20, 25, 30, 35 and 40), overload during running (trip class 2, 10A, 10, 15, 20, 25 and 30), locked rotor, current asymmetry, minimum torque (dry run),
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Starter protection	Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, maintenance request
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Input and Output

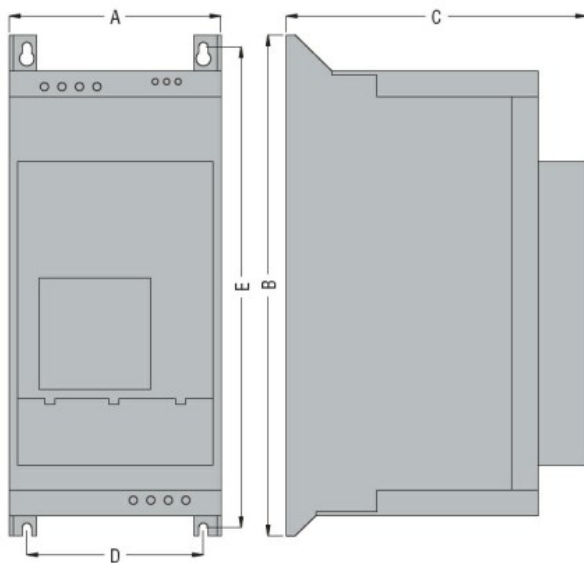
Digital inputs	Number of digital input	Nr.	3 (2 digital inputs + 1 digital/analog input)
	Digital input type		24VDC (no need for external feeder) 1 input for start, 1 input programmable (stop, free-wheel stopping, external alarm, motor preheat, local control, alarms inhibit, manual resetting of motor thermal protection, keypad lock, second moto
	Digital input functions		

Analog inputs	Number of analog input	Nr.	1 (digital/analog)
	Analog input type		0-10VDC (0-20mA with external resistor 500Ω)

	Analog input functions		Motor protection via PTC probes, acceleration and/or deceleration ramp via analog input, analog input thresholds for motor starting and stopping, analog input thresholds for programmable relay enable
Digital outputs			
	Number of digital output	Nr.	4
	Digital output arrangement		3 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 5A 250VAC AC1, 2A 250VAC AC15 C/O output for global alarm, 3 x 1NO outputs programmable (OFF, motor powered, up to speed, braking, current limit, service required, cascade starting, programmable input thresholds, alarm Axx)
	Digital output functions		
Analog outputs			
	Number of analog output	Nr.	1
	Analog output type		0...20mA, 4...20mA (0...10V with external resistor 500Ω) Current, torque, motor thermal status, power factor and active power
	Analog output functions		
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-10
	max	°C	+55°C (with current derating >45°C of 1.5%/°C)
	Storage temperature		
	min	°C	-30
	max	°C	+70

Max altitude	m	1000 without derating (over 1000mt with current derating of 0.5%/100m)
Relative humidity	%	95% without condensation or dripping
Pollution degree		3
Housing		
Mounting		Screw-fixing
IP degree of protection		IP20
Dimensions (W x H x D)	mm	157 x 534 x 250
Weight	Kg	14.4

Dimensions



TYPE	A	B	C	D	E
ADX 0017B	157 (6.18")	372 (14.64")	223 (8.78")	131 (5.16")	357 (14.05")
ADX 0030B	157 (6.18")	372 (14.64")	223 (8.78")	131 (5.16")	357 (14.05")
ADX 0045B	157 (6.18")	372 (14.64")	223 (8.78")	131 (5.16")	357 (14.05")
ADX 0060B	157 (6.18")	534 (21.02")	250 (9.84")	132 (5.20")	517 (20.35")
ADX 0075B	157 (6.18")	534 (21.02")	250 (9.84")	132 (5.20")	517 (20.35")
ADX 0085B	157 (6.18")	534 (21.02")	250 (9.84")	132 (5.20")	517 (20.35")
ADX 0110B	157 (6.18")	584 (22.99")	250 (9.84")	132 (5.20")	567 (22.32")
ADX 0125B	157 (6.18")	584 (22.99")	250 (9.84")	132 (5.20")	567 (22.32")

Certifications and compliance

Compliance

IEC/EN 60947-1
IEC/EN 60947-4-2

Certificates

EAC

ETIM classification

ETIM 8.0

EC000640 - Soft starter