# DÉMARREURS PROGRESSIFS AVEC RELAIS BY PASS INTÉGRÉ (SOFT STARTER) 135A 600V



			1.4.4
Product designation Product type designation			Soft Starter ADXL Asynchronous
Motor type			three phase
Electrical features			
Supplies voltage			
	Type of system		Three phase
	Rated supply voltage	V	208600VAC
	auxiliary supply voltage (Us)		100240VAC
·	Rated frequency	Hz	50/60
Rated starter current le		Α	135
Rated motor power			
IEC ratings (T≤40°C)	000)/40		0.7
	230VAC	kW	37
	400VAC	kW	75 22
III retire to (T<10°C)	500VAC	KW	90
UL ratings (T≤40°C)	220-240VAC	HP	50
	380-415VAC	nr HP	75
	440-480VAC	HP	100
	550-600VAC	HP	125
Number of controlled phases	000 000 7.10	Nr.	2
Built-in bypass			Yes
Cooling System			Forced
Rated insulation voltage Ui		V	600
Programming interface			
Display			Backlit icon LCD
			display
Programming with NFC technology			Yes
Optical port			Yes
Startup and stop settings			
Startup method			Torque ramp with current limit, Voltage ramp with current limit, Constant torque with current limit
Stop method			Torque ramp, voltage ramp, free-wheel stop
Protections			
Auxiliary supply protection			Voltage too low





### DÉMARREURS PROGRESSIFS AVEC RELAIS BY PASS INTÉGRÉ (SOFT STARTER) 135A

Power supply Protection    Comment		No power, phase
Power supply Protection   frequency out of limits, minimum and maximum voltage   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, 30, 35) and 40), overload during running (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), Overcurrent, overtemperature, bypass failure, phase shorted, cooling fan fault, maintenance request  Functions  Built-in bypass 2 2 Built-in display and keypad Yes Built-in display and keypad Yes Languages Yes View measurements 6 6 Torque control Yes Dynamic braking Yes Dynamic braking Yes Kick Start function Yes Motor overload electronic protection Yes Motor overload electronic protection Yes Protection against phase inversion Yes Prote		
limis, minimum and maximum woltage Overload at starting (trip class 2, 10A, 10, 15, 20, 25, 30, 35 and 40), overload at during running from the protection  Motor protection  Motor protection  Motor protection  Motor protection  Motor protection  Motor protection  Starter protection sparse shorted, temperature  Functions  Starter protection protection  Yes  View measurements  G  Turque control  Yes  View measurements  G  Turque control  Yes  View measurements  G  Turque control  Yes  View measurements  Yes  View measu	Devices examply Dresto etion	
and maximum voltage Overload at starting (trip class 2, 10A, 10, 15, 20, 25, 30, 36, 3 and 40), overload during running Motor protection  Motor protection  Motor protection  Motor protection  Starter protection  Starter protection  Covercurrent, overtemperature sensor fault, cooling fan fault, maintenance request  Functions  Built-in bypass 2  Built-in bypass 2  Built-in display and keypad yes Languages Yes Languages Yes View measurements 6  Forque control Yes Adjustable current limit Yes Dynamic braking Yes Adjustable current limit Yes Dynamic braking Yes Motor protection PTC input Protection against phase loss Protection against phase loss Protection against phase inversion Programmable alarm Yes Protection against toked rotor Yes Protection against toked rotor Yes Protection against phase inversion Y	Power Supply Protection	
Voltage		
Starter protection  Motor protection  Cerement asystymmetry, minimum torque (day run), by a sea failure, by a sea failure, by a sea failure, by a sea failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request  Functions  Built-in bypass  2  Built-in bypass  2  Built-in bypass  2  Built-in bypass  2  Languages  Yes  Languages  Yes  View measurements  6  Torque control  Yes  Adjustable current limit  Yes  Dynamic braking  Yes  Adjustable current limit  Yes  Protection against phase loss  Yes  Protection against phase loss  Yes  Protection against phase loss  Yes  Protection against phase weresion  Yes  Protection against phase weresion  Yes  Protection against locked rotor  Yes  Protection aga		
Starting (trip class 2, 10A, 10, 15, 20, 25, 30, 35 and 40), overload during running running running running furtip class 2, 10A, 10, 15, 20, 25 and 30, locked rotor, current asymmetry, minimum torque, (dry run), overtemperature, bypass failure, phase shorted, temperature sensor fault, coling fan fault, maintenance request languages yet mainten		
Part		
Motor protection  It (1), 15, 20, 25 and 30), locked rotor, current asymmetry, minimum torque (dry run), overturemperature, phase shorted, phase sh		
Motor protection  Starter protection protection  Starter protection protection  No  Motor overload electronic protection  No  Motor overload electronic protection  Yes  Motor protection against phase loss  Yes  Protection against looked rotor		
Motor protection  Motor protection  Iting class 2, 10A, 10, 15, 20, 25 and 30), locked rotor, current asymmetry, minimum torque (dry run),  Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request  Functions  Functions  Built-in bypass 2  Languages Yes  View measurements 6  Forque control Yes  Adjustable current limit Yes  Oynamic braking Yes  Adjustable current limit Yes  Oynamic braking Yes  Motor overload electronic protection Yes  Motor protection against phase loss  Protection against phase loss  Protection against phase inversion Yes  Protection against phase inversion		
10, 15, 20, 25 and 30), locked rotor, current asymmetry, minimum torque (dry run),		
and 30), locked rotor, current asymmetry, minimum torque (dry run,).  Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request  Functions  Built-in bypass 2 Built-in bypass 2 Built-in display and keypad Yes Languages Yes Languages Yes Languages Yes Adjustable current limit Yes Kick Start function Yes Kick Start function No Motor overload electronic protection Yes Kick Start function PTC input Yes Rotor overload electronic protection Yes Protection against phase loss Yes Protection against phase loss Yes Protection against phase loss Yes Protection against thyristor overtemperature Yes Protection against by losed over the protection against by losed Yes Protection against phase inversion Yes Protection against by losed Yes	Motor protection	(trip class 2, 10A,
rotor, current asymmetry, minimum torque (dry run), Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request sensor fault, cooling fault, maintenance request sensor fault, coolin		
asymmetry, minimum torque (dry run), Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request  Functions  Built-in bypass 2 Built-in display and keypad Yes Languages Yes Languages Yes View measurements 6 Torque control Yes Adjustable current limit Yes Nord to retorior protection No Motor protection protection Yes Kick Start function No Motor overload electronic protection Yes Protection against phase inversion Yes Protection against phase inversion Yes Protection against bloked rotor Yes Protection against loked rotor Yes Protection against loked rotor Yes Protection against low load Yes Protection against low load Yes Programmable alarm Yes Monitoring communication No Pyes Monitoring communication No Optical port for programming RS485 Event log Yes Montor hour counter Yes Montor procupater Yes Montor programming RS485 Event log Yes Montor procupater Yes Montor programming Yes Montor programming Yes Montor programming Yes Montor programming Yes Montor procupater Yes Montor programming Yes Montor pro		
FunctionsYesBuilt-in display and keypad2LanguagesYesView measurements6Torque controlYesDynamic brakingYesExist functionYesLanguagesYesView measurements6Torque controlYesDynamic brakingYesKick Start functionNoMotor portection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against thysistor overtemperatureYesProtection against thyristor overtemperatureYesProtegrammable alarmYesDigital inputsYesAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes		
Cidy run). Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request		
Starter protection pro		•
Starter protection  Starter protection  Functions  Built-in bypass 2  Built-in bypass 2  Built-in display and keypad Yes  Languages Yes  View measurements 6  Torque control Yes  Adjustable current limit Yes  Kick Start function No  Motor overload electronic protection Yes  Motor protection against phase loss  Protection against phase inversion Yes  Protection against thyristor overtemperature Yes  Protection against thyristor overtemperature Yes  Programmable alarm Yes  Analog inputs No  Analog output Yes  Montor in programming Resales  Montor programming Resales  Analog output Yes  Montor porgramming Resales  Montor programming Resales  Prese  Montor overload electronic protection Yes  Protection against phase inversion Yes  Protection against phase inver		
Starter protection  Functions  Functions  Suilt-in display and keypad  Yes  Built-in display and keypad  Yes  Languages  Yes  View measurements  6  Torque control  Yes  Adjustable current limit  Yes  Dynamic braking  Yes  Kick Start function  No  Motor overload electronic protection  Motor overload electronic protection  Wes  Protection against phase inversion  Protection against phase inversion  Protection against locked rotor  Yes  Protection against low load  Yes  Protection against low load  Yes  Programmable alarm  Yes  Digital outputs  No  Analog output  Yes  Monitoring communication  No  Optical port for programming  RS485  Event log  Motor hour counter  Yes  Motor hour counter		·
Starter protection  Starter protection  Phase shorted, temperature sensor fault, cooling fan fault, maintenance request  Functions  Built-in bypass  Built-in display and keypad  Languages  Yes  Languages  Yes  View measurements  6  Torque control  Adjustable current limit  Yes  Dynamic braking  Yes  Kick Start function  Motor overload electronic protection  Motor protection PTC input  Yes  Protection against phase loss  Yes  Protection against phase inversion  Yes  Protection against by hase inversion  Yes  Protection against by vertemperature  Yes  Protection against thyristor overtemperature  Yes  Protection against thyristor overtemperature  Yes  Programmable alarm  Yes  Digital inputs  Analog inputs  No  Analog output  Yes  Monitoring communication  No  Optical port for programming  RS485  Event log  Motor hour counter		
Starter protection  temperature sensor fault, maintenance request  Functions  Built-in bypass 2 Built-in display and keypad Yes Languages Yes View measurements 6 Torque control Yes Adjustable current limit Yes Dynamic braking Yes Kick Start function No Motor overload electronic protection Wets Start function Motor protection PTC input Yes Protection against phase inversion Yes Protection against phase inversion Yes Protection against boked rotor Protection against locked rotor Protection against locked rotor Protection against lowload Yes Protection against low load Yes Protection against lowload Yes Protection a		
sensor fault, cooling fan fault, cooling fan fault, maintenance requestFunctionsBuilt-in bypass2Built-in display and keypadYesLanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against locked rotorYesProtection against low loadYesProgrammable alarmYesDigital inputsYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Starter protection	
FunctionsBuilt-in bypass2Built-in display and keypadYesLanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	'	
requestFunctionsBuilt-in bypass2Built-in display and keypadYesLanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes		
Built-in bypass 2 Built-in bypass 2 Built-in display and keypad Yes Languages Yes View measurements 6 Torque control Yes Adjustable current limit Yes Dynamic braking Yes Kick Start function No Motor overload electronic protection Yes Protection against phase loss Yes Protection against phase inversion Yes Protection against hypristor overtemperature Yes Protection against thyristor overtemperature Yes Protection against loked rotor Yes Protection against low load Yes Protection against low load Yes Digital inputs Yes Digital inputs Yes Digital outputs No Analog output Yes Monitoring communication No Optical port for programming RS485 Event log Yes Motor hour counter		maintenance
Built-in bypass         2           Built-in display and keypad         Yes           Languages         Yes           View measurements         6           Torque control         Yes           Adjustable current limit         Yes           Dynamic braking         Yes           Kick Start function         No           Motor overload electronic protection         Yes           Motor protection PTC input         Yes           Protection against phase loss         Yes           Protection against phase inversion         Yes           Protection against bocked rotor         Yes           Protection against thyristor overtemperature         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         RS485           Event log         Yes           Motor hour counter         Yes		request
Built-in display and keypad  Languages  Yes  View measurements  6  Torque control  Adjustable current limit  Yes  Dynamic braking  Kick Start function  Motor overload electronic protection  Yes  Motor protection PTC input  Yes  Protection against phase loss  Protection against phase inversion  Yes  Protection against low load  Protection against thyristor overtemperature  Yes  Protection against low load  Yes  Protegrammable alarm  Yes  Digital inputs  Analog inputs  Monitoring communication  Optical port for programming  RS485  Event log  Motor hour counter	Functions	
LanguagesYesView measurements6Torque controlYesAdjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes		
View measurements       6         Torque control       Yes         Adjustable current limit       Yes         Dynamic braking       Yes         Kick Start function       No         Motor overload electronic protection       Yes         Motor protection PTC input       Yes         Protection against phase loss       Yes         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         Digital outputs       Yes         Analog inputs       Yes         Digital outputs       No         Analog output       Yes         Monitoring communication       No         Optical port for programming       RS485         Event log       Yes         Motor hour counter       Yes	Built-in bypass	
Torque control Yes Adjustable current limit Yes Dynamic braking Yes Kick Start function No Motor overload electronic protection Yes Motor protection PTC input Yes Protection against phase loss Yes Protection against phase inversion Yes Protection against locked rotor Yes Protection against locked rotor Yes Protection against low load Yes Protection against low load Yes Programmable alarm Yes Digital inputs Yes Digital inputs Yes Digital outputs No Analog output Yes Monitoring communication No Optical port for programming RS485 Event log Yes Motor hour counter	Built-in bypass Built-in display and keypad	Yes
Adjustable current limitYesDynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages	Yes Yes
Dynamic brakingYesKick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements	Yes Yes 6
Kick Start functionNoMotor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control	Yes Yes 6 Yes
Motor overload electronic protectionYesMotor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit	Yes Yes 6 Yes Yes
Motor protection PTC inputYesProtection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking	Yes Yes 6 Yes Yes Yes Yes
Protection against phase lossYesProtection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function	Yes Yes 6 Yes Yes Yes Yes No
Protection against phase inversionYesProtection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection	Yes Yes 6 Yes Yes Yes Yes Yes Yes Yes Yes No Yes
Protection against locked rotorYesProtection against thyristor overtemperatureYesProtection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input	Yes Yes 6 Yes Yes Yes Yes Yes Yes Yes No Yes Yes
Protection against thyristor overtemperature Protection against low load Yes Programmable alarm Yes Digital inputs Analog inputs Digital outputs No Analog output Yes Monitoring communication No Optical port for programming Event log Motor hour counter Yes Yes Yes Yes Yes Yes Yes Yes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss	Yes Yes 6 Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes
Protection against low loadYesProgrammable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion	Yes Yes 6 Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes
Programmable alarmYesDigital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor	Yes Yes 6 Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes
Digital inputsYesAnalog inputsYesDigital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature	Yes
Analog inputs  Digital outputs  Analog output  Monitoring communication  Optical port for programming  Event log  Motor hour counter  Yes  Yes  Yes  Yes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load	Yes
Digital outputsNoAnalog outputYesMonitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against low load Programmable alarm	Yes
Analog output  Monitoring communication  Optical port for programming  Event log  Motor hour counter  Yes  Yes  Yes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs	Yes
Monitoring communicationNoOptical port for programmingRS485Event logYesMotor hour counterYes	Built-in display and keypad  Languages  View measurements  Torque control  Adjustable current limit  Dynamic braking  Kick Start function  Motor overload electronic protection  Motor protection PTC input  Protection against phase loss  Protection against phase inversion  Protection against thyristor overtemperature  Protection against low load  Programmable alarm  Digital inputs  Analog inputs	Yes
Optical port for programmingRS485Event logYesMotor hour counterYes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs	Yes
Event log Yes Motor hour counter Yes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog outputs Analog output	Yes
Motor hour counter Yes	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output Monitoring communication	Yes
	Built-in bypass Built-in display and keypad Languages View measurements Torque control Adjustable current limit Dynamic braking Kick Start function Motor overload electronic protection Motor protection PTC input Protection against phase loss Protection against phase inversion Protection against locked rotor Protection against thyristor overtemperature Protection against low load Programmable alarm Digital inputs Analog inputs Digital outputs Analog output Monitoring communication Optical port for programming	Yes
	Built-in display and keypad  Languages  View measurements  Torque control  Adjustable current limit  Dynamic braking  Kick Start function  Motor overload electronic protection  Motor protection PTC input  Protection against phase loss  Protection against phase inversion  Protection against locked rotor  Protection against thyristor overtemperature  Protection against low load  Programmable alarm  Digital inputs  Analog inputs  Digital outputs  Analog output  Monitoring communication  Optical port for programming  Event log	Yes





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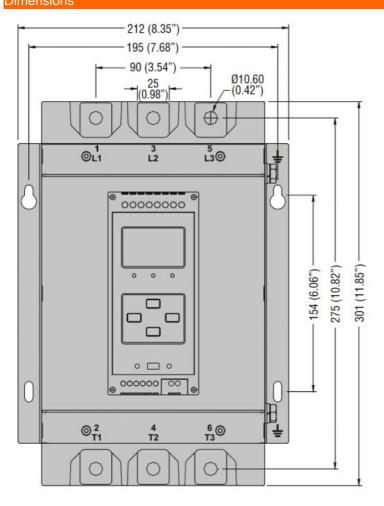
# DÉMARREURS PROGRESSIFS AVEC RELAIS BY PASS INTÉGRÉ (SOFT STARTER) 135A 600V

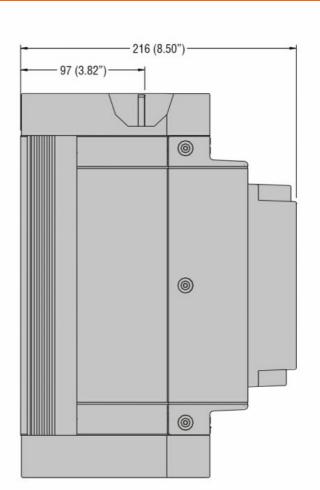
Clock calendar				Yes
Remote external keypa	ad			No
Plug-in version				Optional
Input and Output				
Digital inputs		No. of Particles of	N.1.	0
		Number of digital input	Nr.	3
				2 input with dry contact + 1 input
		Digital input type		with dry contact
				or PTC
				(configurable)
				Programmable (motor start,
				motor stop,
				freewheel stop,
				motor preheating
		Digital input functions		commands lock, alarms inhibition,
				thermal status
				reset, keyboard
				lock, motor selection, user
				alarm, command)
Digital outputs				
		Number of digital output	Nr.	3
				2 x 1 NO (SPST)
				+ 1 C/O (SPDT) Ratings: 2 x 1NO
				contacts: 3A
				250VAC - 3A
		Digital output arrangement		30VDC 1 x C/O contact: NO
		Digital output arrangement		contact 5A
				250VAC - 5A
				30VDC; NC
				contact 3A
				250VAC - 3A 30VDC
				Programmable
				(line contactor,
		Division to the contract		run, global alarm,
		Digital output functions		limits, remote variable, alarm
				Axx, user alarm
				Axx, OFF)
Ambient conditions				
Temperature	Operating temperature			
	Sporacing temperature	min	°C	-20
				+60°C (with
		max	°C	current derating
			=	>40°C of 0.5%/ °C )
	Storage temperature			<u> </u>
	c.orago tomporataro	min	°C	-30
		max	°C	+80



**ENERGY AND AUTOMATION** 

Max altitude	m	1000 without derating (over 1000mt with current derating of 0.5%/100m)
Relative humidity	%	<80%
Pollution degree		2
Installation category		III
Housing		
Mounting		Screw-fixing
IP degree of protection		IP00
Dimensions (W x H x D)	mm	212 x 301 x 216
Weight	Kg	7.8
Dimensions		





#### Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-2

UL508

Certificates

cULus

EAC

RCM

TIM classification



#### ADXL0135600

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ETIM 8.0 EC000640 - Soft starter