Lovato electric
ENERGY AND AUTOMATION

Product designation			Soft starter NFC
Product type designation			ADXNF
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	6
Rated motor power			
	IEC ratings (T≤40°C)		
	230VAC	kW	1.1
	400VAC	kW	2.2
	500VAC	KW	3
	UL ratings (T≤40°C)		
	220-240VAC	HP	1.5
	380-415VAC	HP	2
	440-480VAC	HP	3
	550-600VAC	HP	5
Number of controlled phases		Nr.	2
Built-in bypass			Yes
Cooling System			Natural or forced (optional)
Rated insulation voltage Ui		V	600

Programming interface			
Display			No
Programming with NFC technology			Yes
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			
Power supply Protection			No power line, phase loss, frequency out of limits, minimum and maximum voltage and phase sequence
Starter protection			Overtemperature

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SOFT STARTER, ADXNF... TYPE, NFC VERSION, WITH INTEGRATED BY-PASS RELAY.
AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 6A

Functions

Built-in bypass	2
Built-in display and keypad	Yes
Languages	No
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 locked rotor	Yes
Protection against thyristor overtemperature	No
Protection against low load	Yes
Programmable alarm	No
Digital inputs	Yes
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

Input and Output

Digital inputs

Number of digital input	Nr.	1
Digital input type		Volt-free contact
Digital input functions		Motor start

Digital outputs

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

Communication interfaces

Communication interface	NFC

Ambient conditions

Temperature

Operating temperature

	min	°C	-20
	max	°C	+60°C (with current derating >40°C)

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AUXILIARY SUPPLY 24VAC/DC. RATED OPERATIONAL VOLTAGE 208...600VAC, 6A

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

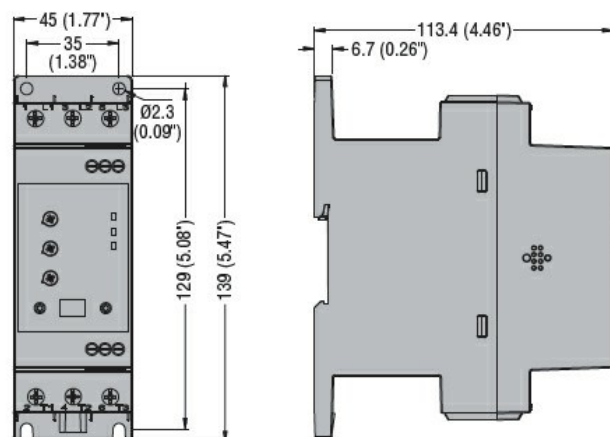| Mounting	Screw-fixing or 35mm DIN rail (IEC/EN/BS 60715)
IP degree of protection	IP20
Dimensions (W x H x D)	mm	45 x 139 x 113.4
Weight	Kg	0.45

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

ADXNF00624

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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