



Soft starter
ADXL
Asynchronous
three phase

Product designation
Product type designation
Motor type

Electrical features

Supplies voltage

| | | |
|-------------------------------|----|-----------------------|
| Type of system | | Three phase |
| Rated supply voltage | V | 208...600 VAC ±10% |
| auxiliary supply voltage (Us) | | 100...240VAC ±10% |
| Rated frequency | Hz | 50/60 |
| Rated starter current Ie | A | 250 |

Rated motor power

IEC ratings (T≤40°C)

| | | |
|--------|----|-----|
| 230VAC | kW | 75 |
| 400VAC | kW | 132 |
| 500VAC | KW | 160 |

UL ratings (T≤40°C)

| | | |
|------------|----|-----|
| 220-240VAC | HP | 100 |
| 380-415VAC | HP | 150 |
| 440-480VAC | HP | 200 |
| 550-600VAC | HP | 250 |

Number of controlled phases

N° 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

| | |
|-------------------------|--|
| 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), overtemperature, starting too long |
| Starter protection | Overcurrent, overtemperature, bypass failure, phase shorted, temperature sensor fault, cooling fan fault, maintenance request |

Input and Output

| | | | |
|-----------------|--------------------------|----|--|
| Digital inputs | | | |
| | Number of digital input | n° | 3 |
| | Digital input type | | 2 input with dry contact + 1 input with dry contact or PTC (configurable) Programmable (motor start, motor stop, freewheel stop, motor preheating, commands lock, alarms inhibition, thermal status reset, keyboard lock, motor selection, user alarm, command) |
| | Digital input functions | | |
| Digital outputs | | | |
| | Number of digital output | n° | 3 |

| | |
|----------------------------|--|
| Digital output arrangement | 2 x 1 NO (SPST) + 1 C/O (SPDT) Ratings: 2 x 1NO contacts: 3A 250VAC - 3A 30VDC 1 x C/O contact: NO contact 5A 250VAC - 5A 30VDC; NC contact 3A 250VAC - 3A 30VDC |
| Digital output functions | Programmable (line contactor, run, global alarm, limits, remote variable, alarm Axx, user alarm Axx, OFF) |

Ambient conditions

Temperature

Operating temperature

| | | |
|-----|----|---|
| min | °C | -20 |
| max | °C | +60°C (with current derating >40°C of 0.5%/ °C) |

Storage temperature

| | | |
|-----|----|-----|
| min | °C | -30 |
| max | °C | +80 |

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 |
|--|------|

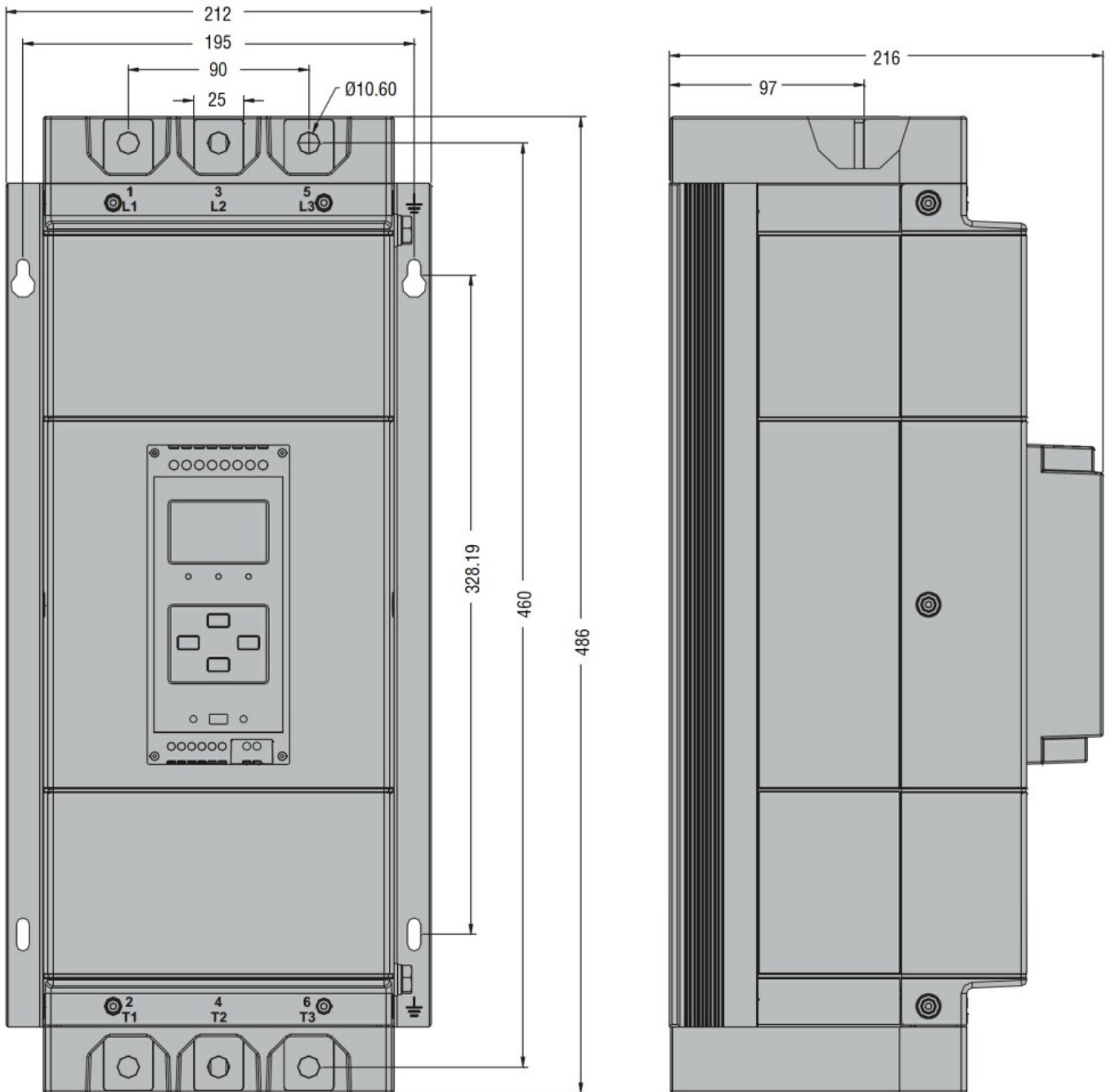
Dimensions (W x H x D)

| | |
|----|-----------------|
| mm | 212 x 486 x 216 |
|----|-----------------|

Weight

| | |
|----|------|
| Kg | 13.9 |
|----|------|

Dimensions



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-2

UL508

Certificates

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC000640 - Soft
starter