



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 | 30 |
|--------------------------|---|----|

Rated motor power in-line

IEC ratings (T≤40°C)

| | | |
|--------|----|------|
| 230VAC | kW | 7.5 |
| 400VAC | kW | 15 |
| 500VAC | KW | 18.5 |

UL ratings (T≤40°C)

| | | |
|------------|----|----|
| 220-240VAC | HP | 10 |
| 380-415VAC | HP | 15 |
| 440-480VAC | HP | 20 |
| 550-600VAC | HP | 25 |

| | | |
|-----------------------------|-----|---|
| Number of controlled phases | Nr. | 2 |
|-----------------------------|-----|---|

| | | |
|-----------------|--|-----|
| Built-in bypass | | Yes |
|-----------------|--|-----|

| | | |
|----------------|--|------------------------------|
| Cooling System | | Natural or forced (optional) |
|----------------|--|------------------------------|

| | | |
|-----------------------------|---|-----|
| Rated insulation voltage Ui | V | 600 |
|-----------------------------|---|-----|

Programming interface

| | | |
|---------------|--|------------------------------------------------------------------|
| Potentiometer | | Settings: starting voltage, acceleration 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

| | | |
|-------------------------|--|-----------------------------------------------------------------------------------|
| Power supply Protection | | No power line, phase loss, frequency out of limits, phase sequence (configurable) |
|-------------------------|--|-----------------------------------------------------------------------------------|

| | |
|----------------------------------------------|-----------------|
| Starter protection | Overtemperature |
| Functions | |
| Built-in bypass | Yes |
| Built-in display and keypad | No |
| 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 | Yes |
| Protection against phase inversion | Yes |
| Protection against locked rotor | No |
| Protection against thyristor overtemperature | Yes |
| Protection against low load | No |
| Programmable alarm | No |
| Digital inputs | 1 |
| Analog inputs | 0 |
| Digital outputs | 2 |
| Analog output | 0 |
| Monitoring communication | No |
| Optical port for programming | No |
| 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 | 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 | | Line contactor (Run), TOR (Top Of Ramp) |

Communication interfaces

| | |
|-------------------------|----|
| Communication interface | No |
|-------------------------|----|

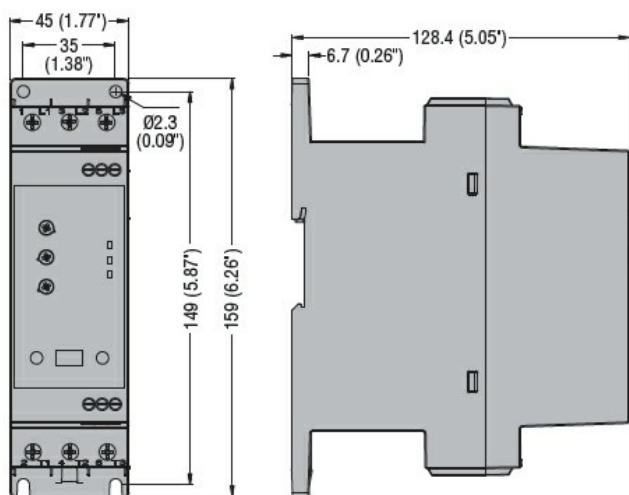
Ambient conditions

| | | | | |
|-------------|-----------------------|-----|----|-------------------------------------|
| Temperature | Operating temperature | min | °C | -20 |
| | | max | °C | +60°C (with current derating >40°C) |

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 159 x 128.4 |
| Weight | Kg | | 0.63 |

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