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|---|-----------------|-----------------|------|
| Product designation | Power contactor | | |
| Product type designation | BFK115 | | |
| Contact characteristics | | | |
| Number of poles | Nr. | 3 | |
| Rated insulation voltage Ui IEC/EN | V | 690 | |
| Rated impulse withstand voltage $Uimp$ | kV | 8 | |
| Operational frequency | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | | A | 160 |
| Rated operational power AC-6b ($T \leq 40^\circ C$) | 230V | kvar | 45 |
| | 400V | kvar | 75 |
| | 440...480V | kvar | 85 |
| | 690V | kvar | 135 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | A | 920 |
| Protection fuse | gG (IEC) | A | 160 |
| Making capacity (RMS value) | | A | 1500 |
| Breaking capacity at voltage | 440V | A | 1200 |
| | 500V | A | 850 |
| | 690V | A | 905 |
| Resistance per pole (average value) | | m? | 0.45 |
| Power dissipation per pole (average value) | Ith | W | 11.5 |
| Tightening torque for terminals | min | Nm | 6 |
| | max | Nm | 7 |
| | min | lbin | 4.4 |
| | max | lbin | 5.2 |
| Tightening torque for coil terminal | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | lbin | 0.59 |
| | max | lbin | 0.74 |
| Max number of wires simultaneously connectable | Nr. | 2 | |
| Conductor section | AWG/Kcmil | | |
| | max | | 2/0 |
| Flexible w/o lug conductor section | min | mm ² | 1.5 |
| | max | mm ² | 70 |
| Flexible c/w lug conductor section | min | mm ² | 1.5 |

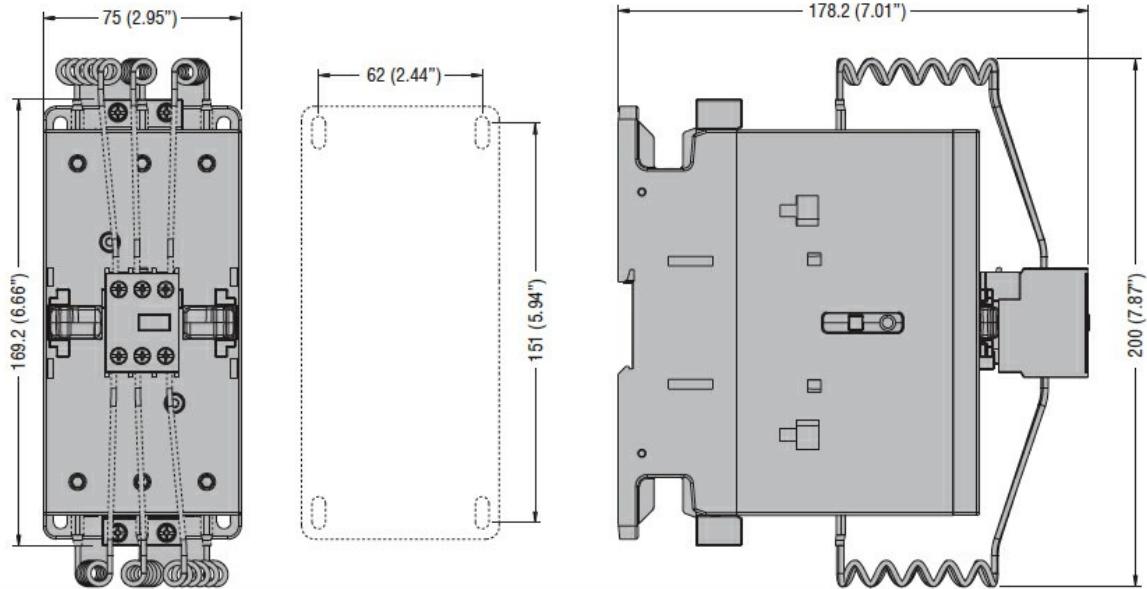
| | | | |
|---|-------------------------------|-----------------|--------------------------|
| | max | mm ² | 70 |
| Power terminal protection according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | | | |
| Operating position | normal allowable | | Vertical plan ±30° |
| Fixing | | | Screw / DIN rail 35mm |
| Weight | g | 2095 | |
| Conductor section | | | |
| AWG/kcmil conductor section | max | | 2/0 |
| Operations | | | |
| Mechanical life | cycles | 15000000 | |
| Electrical life | cycles | 1200000 | |
| Safety related data | | | |
| Performance level B10d according to EN/ISO 13489-1 | rated load mechanical load | cycles | 400000 15000000 |
| EMC compatibility | | | yes |
| AC coil operating | | | |
| Rated AC voltage at 60Hz | V | 48 | |
| AC operating voltage | | | |
| of 60Hz coil powered at 60Hz | | | |
| pick-up | min max | %Us | 80 110 |
| drop-out | min max | %Us | 20 55 |
| Max cycles frequency | | | |
| Mechanical operation | cycles/h | 1500 | |
| Operating times | | | |
| Average time for Us control | | | |
| in AC | | | |
| Closing NO | min max | ms | 16 32 |
| Opening NO | min max | ms | 9 24 |
| UL technical data | | | |
| General USE | | | |
| Contactor | AC current | A | 160 |
| Ambient conditions | | | |
| Temperature | | | |
| Operating temperature | min max | °C | -50 70 |
| Storage temperature | min max | °C | -60 80 |
| Max altitude | m | 3000 | |

Resistance & Protection

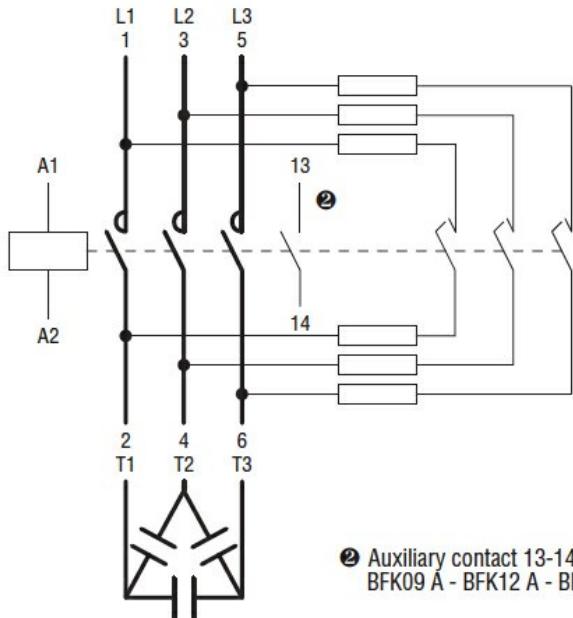
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

ETIM classification

ETIM 8.0

EC001079 -
Capacitor
contactor