BFK9400A22060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 220VAC 60HZ



| Product designation | | | Power contactor |
|--|----------|------|-----------------|
| Product type designation | | | BFK94 |
| 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 | | А | 115 |
| Rated operational power AC-6b (T≤40°C) | | | |
| | 230V | kvar | 34 |
| | 400V | kvar | 60 |
| | 440480V | kvar | 75 |
| | 690V | kvar | 80 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | А | 640 |
| Protection fuse | | | |
| | gG (IEC) | А | 125 |
| Making capacity (RMS value) | | А | 950 |
| Breaking capacity at voltage | | | |
| | 440V | А | 760 |
| | 500V | А | 660 |
| | 690V | А | 475 |
| Resistance per pole (average value) | | mΩ | 0.6 |
| Power dissipation per pole (average value) | | | |
| | Ith | W | 7.9 |
| Tightening torque for terminals | | | |
| | min | Nm | 4 |
| | max | Nm | 5 |
| | min | Ibin | 2.95 |
| | max | Ibin | 3.69 |
| Tightening torque for coil terminal | | | |
| | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | Ibin | 0.8 |
| | max | Ibin | 0.74 |
| Max number of wires simultaneously connectable | | Nr. | 2 |
| Conductor section | | | |
| AWG/Kcmil | | | |
| | max | | 2 |
| Flexible w/o lug conductor section | | | |
| Ŭ | min | mm² | 1.5 |
| | max | mm² | 35 |
| Flexible c/w lug conductor section | | | - |
| | | 2 | 4 5 |

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mm²

min

1.5



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mm²

max

35

IP20 front Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan ±30° allowable Screw / DIN rail Fixing 35mm Weight 1090 g Conductor section AWG/kcmil conductor section 2 max Operations Mechanical life 15000000 cycles Electrical life 400000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 400000 mechanical load 15000000 cycles EMC compatibility yes AC coil operating Rated AC voltage at 60Hz V 220 AC operating voltage of 60Hz coil powered at 60Hz pick-up %Us 80 min max %Us 110 drop-out %Us 20 min %Us 55 max AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 210 holding VA 15 W Dissipation at holding ≤20°C 50Hz 5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 12 28 max ms **Opening NO** min ms 8 22 max ms in DC **Closing NO** 40 min ms max ms 85 Opening NO 20 min ms

UL technical data

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55

ms

max

ENERGY AND AUTOMATION

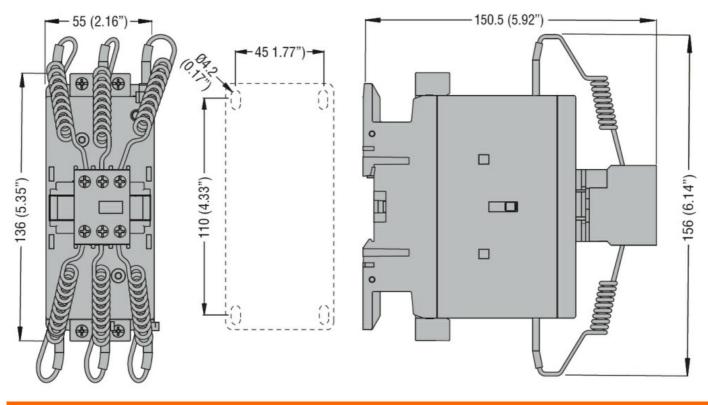
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General USE

Dimensions

| | Contactor | | | |
|----------------------|-----------------------|------------|----|------|
| | | AC current | А | 115 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -50 |
| | | max | °C | 70 |
| | Storage temperature | | | |
| | | min | °C | -60 |
| | | max | °C | 80 |
| Max altitude | | | m | 3000 |
| Resistance & Protect | ion | | | |
| Pollution degree | | | | 3 |

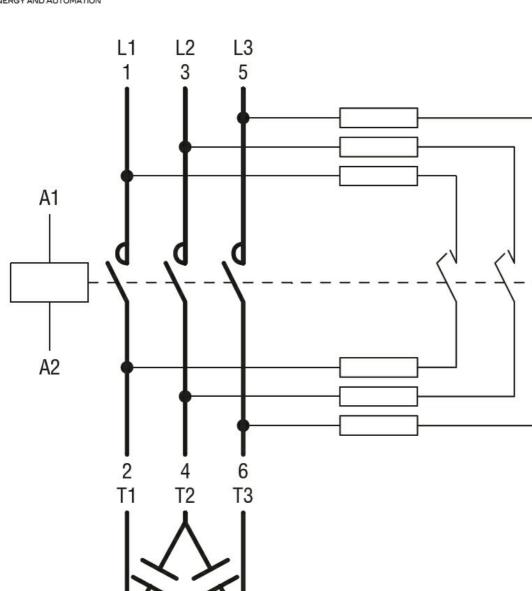


Wiring diagrams

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Certifications and compliance

Compliance

| CSA C22.2 n° 60947-1 |
|------------------------|
| CSA C22.2 n° 60947-4-1 |
| IEC/EN/BS 60947-1 |
| IEC/EN/BS 60947-4-1 |
| UL 60947-1 |
| UL 60947-4-1 |

ETIM classification

ETIM 8.0

EC001079 -Capacitor contactor