BFK9500A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 48VAC 60HZ



| | | | ALC C |
|--|----------|-------|-----------------|
| Product designation | | | Power contactor |
| Product type designation | | | BFK95 |
| 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 | 140 |
| 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 | 760 |
| Protection fuse | | | |
| | gG (IEC) | А | 125 |
| Making capacity (RMS value) | | А | 1200 |
| Breaking capacity at voltage | | | |
| | 440V | А | 1100 |
| | 500V | А | 775 |
| | 690V | А | 745 |
| Resistance per pole (average value) | | mΩ | 0.45 |
| Power dissipation per pole (average value) | | | |
| · · · · · · · · · · · · · · · · · · · | lth | W | 8.8 |
| Tightening torque for terminals | | | 0.0 |
| | min | Nm | 6 |
| | max | Nm | 7 |
| | min | Ibin | 4.4 |
| | max | Ibin | 5.2 |
| Tightening torque for coil terminal | Thur, | 10111 | 0.2 |
| | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | Ibin | 0.59 |
| | max | Ibin | 0.74 |
| Max number of wires simultaneously connectable | max | Nr. | 2 |
| Conductor section | | 1.11. | 2 |
| AWG/Kcmil | | | |
| | max | | 2/0 |
| Flexible w/o lug conductor section | Παλ | | 210 |
| | min | mm² | 15 |
| | min | | 1.5 70 |
| Elevible e/w lug conductor costion | max | mm² | 10 |
| Flexible c/w lug conductor section | | 2 | 4 5 |

BFK9500A04860 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

mm²

min

1.5



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 48VAC 60HZ

BFK9500A04860

mm² 70 max 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 2095 g Conductor section AWG/kcmil conductor section 2/0 max Operations 15000000 Mechanical life 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 48 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 W Dissipation at holding ≤20°C 50Hz 6.5 Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO min 16 ms 32 max ms **Opening NO** 9 min ms 24 max ms UL technical data General USE Contactor AC current А 140 Ambient conditions Temperature Operating temperature °C -50 min °C 70 max Storage temperature °C -60 min °C 80 max

BFK9500A04860 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

BFK9500A04860



ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 48VAC 60HZ

| ENERGY AND ACTOMATION | | |
|-------------------------|--|------|
| Max altitude | m | 3000 |
| Resistance & Protectic | | |
| Pollution degree | | 3 |
| Dimensions | | |
| 75 (0.05%) | — 178.2 (7.01") — — | |
| - 75 (2.95") | | |
| | | |
| | | |
| | | |
| 0 0 0 | | |
| | | |
| | | |
| | 151 (5.94") 200 (7.87") | |
| | | |
| °° P' L®®® | | |
| | | |
| | | |
| 000 | | |
| | | |
| | | |
| | | |
| Wiring diagrams | | |
| L1 L2 L3 | | |
| 1 3 5 | | |
| | | |
| | | |
| A1 | 13 | |
| . d . d . d | e | |
| | | |
| | | |
| A2 | 14 | |
| | | |
| | | |
| 2 4 6 T1 T2 T3 | | |
| T1 T2 T3 | | |
| $. \land . $ | | |
| い か か | Auxiliary contact 13-14 is found on BFK09 Å - BFK12 Å - BFK18 Å types only. | |
| ЦЦ | BFK09 Å - BFK12 A - BFK18 A types only. | |
| Certifications and com | nliance | |
| Compliance | | |
| Somplianoo | 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 | |
| Certificates | | |
| | 000 | |
| | cULus | |
| ETIM classification | | |
| | | |

BFK9500A04860 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

BFK9500A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 48VAC 60HZ

ETIM 8.0

EC001079 -Capacitor contactor