BFK15000A46060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ

| Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Rated operational power AC-6b (T≤40°C) | min max 230V 400V 440480V | Nr. V kV Hz Hz A kvar kvar | BFK150 3 690 8 25 400 165 50 |
|---|---------------------------------------|---|---|
| Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith | max 230V 400V 440480V | V kV Hz Hz A | 690 8 25 400 165 |
| Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith | max 230V 400V 440480V | V kV Hz Hz A | 690 8 25 400 165 |
| Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith | max 230V 400V 440480V | kV Hz Hz A | 8 25 400 165 |
| Operational frequency IEC Conventional free air thermal current Ith | max 230V 400V 440480V | Hz Hz A kvar | 25 400 165 |
| IEC Conventional free air thermal current Ith | max 230V 400V 440480V | Hz A kvar | 400 165 |
| | max 230V 400V 440480V | Hz A kvar | 400 165 |
| | 230V 400V 440480V | A kvar | 165 |
| | 400V 440480V | kvar | |
| Rated operational power AC-6b (T≤40°C) | 400V 440480V | | 50 |
| | 400V 440480V | | 50 |
| | 440480V | kvar | 50 |
| | | | 100 |
| 2 | | kvar | 115 |
| | 690V | kvar | 150 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | А | 1200 |
| Protection fuse | | | |
| | gG (IEC) | А | 160 |
| Making capacity (RMS value) | | Α | 1500 |
| Breaking capacity at voltage | | | |
| | 440V | А | 1200 |
| | 500V | А | 1025 |
| | 690V | А | 905 |
| Resistance per pole (average value) | | mΩ | 0.45 |
| Power dissipation per pole (average value) | | | |
| | lth | W | 12 |
| Tightening torque for terminals | | | |
| | min | Nm | 6 |
| | max | Nm | 7 |
| | min | Ibin | 4.4 |
| | max | lbin | 5.2 |
| Tightening torque for coil terminal | | | |
| | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | lbin | Prodotti finiti |
| | max | lbin | Prodotti finiti |
| Max number of wires simultaneously connectable | | Nr. | 2 |
| Conductor section | | | |
| Flexible w/o lug conductor section | | | |
| | min | mm² | 1.5 |
| | max | mm² | 70 |
| Flexible c/w lug conductor section | | | |
| | min | mm² | 1.5 |
| | max | mm² | 70 |
| Power terminal protection according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | | | |
| Operating position | | | |
| | normal | | Vertical plan |
| | allowable | | ±30° |
| Fixing | | | Screw / DIN rail 35mm |
| Weight | | g | 2095 |
| Operations | | 3 | |

BFK15000A46060 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

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| Mechanical life | | | cycles | 15000000 |
|--|--|---|---|---|
| Electrical life | | | cycles | 800000 |
| Safety related data | | | -, | |
| | Dd according to EN/ISO 13489-1 | | | |
| | , and the second s | rated load | cycles | 400000 |
| | | mechanical load | cycles | 15000000 |
| EMC compatibility | | | , | Yes |
| Rated AC voltage at 6 |)Hz | | V | 460 |
| AC coil operating | | | | |
| AC operating voltage | | | | |
| 1 0 0 | of 60Hz coil powered at 60Hz | | | |
| | , pick-up | | | |
| | • • | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | • | min | %Us | 20 |
| | | max | %Us | 55 |
| AC average coil consu | mption at 20°C | | | |
| 5 | of 50/60Hz coil powered at 50Hz | | | |
| | • | in-rush | VA | 300 |
| | | holding | VA | 20 |
| | of 50/60Hz coil powered at 60Hz | ~ | | |
| | · | in-rush | VA | 300 |
| | | holding | VA | 17 |
| | of 60Hz coil powered at 60Hz | | | |
| | | in-rush | VA | 300 |
| | | | | |
| | | holding | VA | 20 |
| Dissipation at holding : | ≤20°C 50Hz | holding | VA W | 20 6.5 |
| Dissipation at holding Max cycles frequency | ≤20°C 50Hz | holding | | |
| | ≤20°C 50Hz | holding | | 6.5 |
| Max cycles frequency | ≤20°C 50Hz | holding | W | 6.5 |
| Max cycles frequency Mechanical operation | | holding | W | 6.5 |
| Max cycles frequency Mechanical operation Operating times | | holding | W | 6.5 |
| Max cycles frequency Mechanical operation Operating times | ontrol | holding | W | 6.5 |
| Max cycles frequency Mechanical operation Operating times | ontrol in AC | holding | W | 6.5 |
| Max cycles frequency Mechanical operation Operating times | ontrol in AC | | W cycles/h | 6.5 |
| Max cycles frequency Mechanical operation Operating times | ontrol in AC | min | W cycles/h ms | 6.5 1500 16 |
| Max cycles frequency Mechanical operation Operating times | ontrol in AC Closing NO | min | W cycles/h ms | 6.5 1500 16 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co | ontrol in AC Closing NO | min max | W cycles/h ms ms | 6.5 1500 16 32 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co | ontrol in AC Closing NO | min max min | W cycles/h ms ms ms | 6.5 1500 16 32 9 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co | ontrol in AC Closing NO | min max min | W cycles/h ms ms ms | 6.5 1500 16 32 9 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co | ontrol in AC Closing NO | min max min | W cycles/h ms ms ms | 6.5 1500 16 32 9 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE | ontrol in AC Closing NO Opening NO | min max min | W cycles/h ms ms ms | 6.5 1500 16 32 9 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co | ontrol in AC Closing NO Opening NO | min max min max | W cycles/h ms ms ms ms | 6.5 1500 16 32 9 24 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE | ontrol in AC Closing NO Opening NO | min max min max | W cycles/h ms ms ms ms | 6.5 1500 16 32 9 24 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO | min max min max | W cycles/h ms ms ms ms | 6.5 1500 16 32 9 24 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO Contactor | min max min max | W cycles/h ms ms ms s s A | 6.5 1500 16 32 9 24 165 -50 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO Contactor | min max min max AC current | W cycles/h ms ms ms ms | 6.5 1500 16 32 9 24 165 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO Contactor | min max min max AC current min | W cycles/h ms ms ms A A °C °C | 6.5 1500 16 32 9 24 165 -50 70 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO Contactor | min max min max AC current min | W cycles/h ms ms ms A A °C °C | 6.5 1500 16 32 9 24 165 -50 70 -60 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions Temperature | ontrol in AC Closing NO Opening NO Contactor | min max min max AC current min max | W cycles/h ms ms ms A A °C °C | 6.5 1500 16 32 9 24 165 -50 70 -60 80 |
| Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions | ontrol in AC Closing NO Opening NO Contactor Operating temperature Storage temperature | min max min max AC current min max min | W cycles/h ms ms ms A A °C °C | 6.5 1500 16 32 9 24 165 -50 70 -60 |



ENERGY AND AUTOMATION

BFK15000A46060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ

Pollution degree

| Pollution degree | | 3 |
|------------------------|------------------------|-------------------------|
| Dimensions | | |
| Wiring diagrams | | |
| Certifications and com | npliance | |
| 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