



| Product designation Product type designation | | | Power contactor BF95 |
|--|--------------------|------|-------------------------|
| Contact characteristics | | | DF90 |
| Number of poles | | Nr. | 3 |
| Rated insulation voltage Ui IEC/EN | | V | 1000 |
| Rated impulse withstand voltage Uimp | | kV | 8 |
| Operational frequency | | IX V | 0 |
| operational frequency | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | Παλ | A | 140 |
| Operational current le | | | 140 |
| | AC-1 (≤40°C) | А | 140 |
| | AC-1 (≤55°C) | A | 115 |
| | AC-1 (≤70°C) | A | 100 |
| | AC-3 (≤440V ≤55°C) | A | 95 |
| | AC-4 (400V) | A | 45 |
| Rated operational power AC-3 (T≤55°C) | | | |
| | 230V | kW | 30 |
| | 400V | kW | 55 |
| | 415V | kW | 55 |
| | 440V | kW | 55 |
| | 500V | kW | 75 |
| | 690V | kW | 90 |
| | 1000V | kW | 45 |
| IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |
| | 75V | А | 100 |
| | 110V | А | 10 |
| | 220V | А | - |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |
| | 75V | А | 140 |
| | 110V | А | 110 |
| | 220V | Α | 12 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | Α | 140 |
| | 75V | Α | 155 |
| | 110V | Α | 120 |
| | 220V | Α | 125 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |



| | 75V | А | 155 |
|---|--------------|------|------|
| | 110V | А | 140 |
| | 220V | А | 140 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 44 |
| | 75V | А | 36 |
| | 110V | А | 6 |
| | 220V | А | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | A | 63 |
| | 75V | A | 60 |
| | 110V | A | 55 |
| | 220V | A | 7 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series | 2201 | | 1 |
| | ≤24V | А | 140 |
| | ≤24V 48V | A | 140 |
| | 48 V 75 V | A | 90 |
| | 110V | | |
| | | A | 85 |
| | 220V | A | 76 |
| IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series | (0.1) (| | 4.40 |
| | ≤24V | A | 140 |
| | 48V | A | 110 |
| | 75V | A | 110 |
| | 110V | A | 105 |
| | 220V | A | 95 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | А | 760 |
| Protection fuse | | | |
| | gG (IEC) | А | 160 |
| | aM (IEC) | A | 100 |
| 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) | | | |
| | Ith | W | 8.8 |
| | AC3 | W | 4.1 |
| Tightening torque for terminals | | | |
| | min | Nm | 6 |
| | max | Nm | 7 |
| | min | Ibin | 4.4 |
| | max | Ibin | 5.2 |
| Tightening torque for coil terminal | | | |
| | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | Ibin | 0.59 |
| | max | Ibin | 0.74 |
| Conductor section | Παλ | | 0.74 |
| AWG/Kcmil | | | |
| | | | 2/0 |
| | max | | 2/0 |



THREE-POLE CONTACTOR, IEC OPER

| ATING CURRENT IE (AC3) = 95A, AC/DC COIL, | |
|---|--|
| 2048VAC/DC | |
| | |
| | |

| | Elovible w/e lug conductor costion | | | |
|-------------------------|--|--|---|---|
| | Flexible w/o lug conductor section | min | mm² | 1.5 |
| | | | mm² | 70 |
| | | max | | 70 |
| | Flexible c/w lug conductor section | | 2 | 4 5 |
| | | min | mm² | 1.5 |
| | | max | mm² | 70 |
| | ction according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | | | | |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| Fixing | | | | Screw / DIN rai |
| TXILIY | | | | 35mm |
| Weight | | | g | 2060 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | |
| | | max | | 2/0 |
| Auxiliary contact chara | acteristics | | | |
| Thermal current Ith | | | А | 140 |
| Operations | | | 17 | |
| Mechanical life | | | cycles | 15000000 |
| Electrical life | | | - | |
| | | | cycles | 1400000 |
| AC coil operating | | | | |
| Rated AC voltage at 5 | 0/60Hz, 60Hz | | | |
| | | min | V | 20 |
| | | max | V | 48 |
| Rated AC voltage at 5 | 50/60Hz | | V | 24 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | | | | |
| | pick-up | | | |
| | - | min | %Us | 85 Us min |
| | - | min max | | |
| | pick-up | | %Us %Us | 85 Us min 110 Us max |
| | - | max | %Us | 110 Us max |
| | pick-up drop-out | | | |
| | pick-up drop-out of 50/60Hz coil powered at 60Hz | max | %Us | 110 Us max |
| | pick-up drop-out | max max | %Us %Us | 110 Us max ≤70 Us min |
| | pick-up drop-out of 50/60Hz coil powered at 60Hz | max max min | %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min |
| | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up | max max | %Us %Us | 110 Us max ≤70 Us min |
| | pick-up drop-out of 50/60Hz coil powered at 60Hz | max max min max | %Us %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min 110 Us max |
| | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out | max max min | %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C | max max min max | %Us %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min 110 Us max |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out | max max min max max | %Us %Us %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C | max max min max max in-rush | %Us %Us %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz | max max min max max | %Us %Us %Us %Us %Us | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C | max max min max max in-rush holding | %Us %Us %Us %Us %Us VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz | max max min max max max in-rush holding in-rush | %Us %Us %Us %Us %Us VA VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 70175 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz | max max min max max in-rush holding | %Us %Us %Us %Us %Us VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz | max max min max max max in-rush holding in-rush | %Us %Us %Us %Us %Us VA VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 70175 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz | max max min max max max in-rush holding in-rush | %Us %Us %Us %Us %Us VA VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 70175 |
| AC average coil cons | pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz | max max min max max max in-rush holding in-rush holding | %Us %Us %Us %Us %Us VA VA VA VA | 110 Us max ≤70 Us min 85 Us min 110 Us max ≤70 Us min 70175 1.73.5 70175 1.73.5 |

DC rated control voltage

BF9500E024



| Intervention v 44 DC rated control voltage v 48 DC operating voltage pick-up min %US 80 Us min max %US 570 Us min max %US 570 Us min Average coil consumption ≤20°C in-rush W 7080 holding W 131,5 Max cycles frequency w 131,5 max max %US 570 Us min Average coil consumption ≤20°C in-rush W 7080 holding W 131,5 Max cycles frequency w 7080 holding W 131,5 Max cycles frequency max ms 45 max 60 Operating NO min ms 45 max ms 60 in DC Closing NO min ms 45 max ms 60 UL technical data V 200/208/V HP 30 460/480/V HP 30 Vielded mechanical | | | | min | V | 20 |
|--|--------------------------|-----------------------|------------|-----------------------|----------|------------|
| DC operating voltage pick-up min %Us 80 Us min max %Us 110 Us max frop-out max %Us 570 Us min Average coll consumption s20°C in-rush W 7080 holding W 1.31.5 Max cycles frequency Mechanical operation cyclesh 15:00 Operating times Average time for Us control in AC Closing NO min ms 45 max ms 60 Closing NO min ms 45 max ms 60 min ms 45 max ms 60 Ut technical data Vielded mechanical performance for three-phase AC motor 200/208V HP 30 220/208V HP 30 220/208V HP 30 220/208V HP 30 220/208V HP 50 575/600V HP 75 General USE Contactor Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse rating A 220 Fuse class J Short circuit current KA 10 Fuse class RK5 Ambient conditions | | | | max | V | 48 |
| pick-up min %US 80 Us min drop-out max %US \$70 Us min Average coll consumption s20°C in-max %US \$70 Us min Max cycles frequency wething W 7080 Mechanical operation cycles/n 1500 Operating times cycles/n 1500 Average time for Us control in AC in max max Closing NO min ms 45 max ms 90 min ms Opening NO min ms 45 max ms 60 max ms in DC Closing NO min ms 45 Opening NO min ms 45 max ms 85 0pening NO min ms 60 U technical data max ms 60 10 10 Yielded mechanical performance for three-phase AC motor 20/20/20N HP 30 <t< td=""><td>-</td><td>e</td><td></td><td></td><td>V</td><td>24</td></t<> | - | e | | | V | 24 |
| min %Us 80 Us min drop-out max %Us 110 Us max Average coll consumption s20°C in-rush W 7080 Max cycles frequency in-rush W 7080 Max cycles frequency cycles/h 1500 Mechanical operation cycles/h 1500 Operating times arms 45 Average time for Us control in AC max ms 90 Max ms 60 max ms 90 Opening NO min ms 45 max ms 60 In DC Closing NO min ms 24 max ms 85 Opening NO min ms 24 max ms 85 Opening NO min ms 24 max ms 80 UL technical data | DC operating voltage | | | | | |
| max %Us 110 Us max drop-out max %Us \$70 Us min Average coll consumption \$20°C in-rus hy W 7080 Max cycles frequency w 7180 holding W 131.5 Max cycles frequency cycles/h 1500 1500 1500 Average time for Us control in AC min ms 45 1600 Qpening NO min ms 45 16000 16000 16000 16000 | | pick-up | | | 0/11- | 00.11 |
| drop-out max %Us ≤70 Us min Average coll consumption ≤20°C in-rush W 7080 Max cycles frequency w 1.31.5 Max cycles frequency cycles/h 1500 Mechanical operation cycles/h 1500 Operating times average time for Us control in AC Closing NO min ms 45 max ms 90 0 Opening NO min ms 45 in DC Closing NO min ms 45 Opening NO min ms 45 0 Opening NO min ms 45 0 UL technical data max ms 60 0 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 220/230V HP 50 General USE Contactor A 150 Short-circuit protection fuse, 600V Hgh fault Sh | | | | | | |
| max %Us ≤70 Us min Average coil consumption ≤20°C in-tush holding W 7080 1.31.5 Max cycles frequency cycles/h 1500 Mechanical operation cycles/h 1500 Operating times rmax ms 45 max Average time for Us control min ms 45 max Operating times stat max ms 90 Operating times max ms 90 max ms 60 Mechanical operation cycles/h fmax ms 90 max ms 90 Opening NO min ms 45 max ms 60 Ut technical data max ms 60 max ms 60 Ut technical data max ms 60 max ms 60 Ut technical data max ms 60 max ms 60 Ut technical data max max 60 max | | | | max | %US | 110 Us max |
| Average coil consumption ≤20°C in-rush holding W 7080 holding Max cycles frequency 0 1.31.5 Max cycles frequency 0 0 Mechanical operation cycles/h 1500 Operating times 0 0 Average time for Us control in AC 0 In AC Closing NO min ms 45 Opening NO min ms 24 0 In DC Closing NO min ms 24 In DC Closing NO min ms 45 Opening NO min ms 24 In DC Closing NO min ms 45 Opening NO min ms 24 10 Vielded mechanical performance 200/208V HP 30 220/203V HP 30 220/230V HP 30 220/203V HP 30 220/230V HP 30 220/203V HP 30 220/230V HP 30 Short circuit protection fuse, 600V High fault KA 100 Fuse rating A 200 Fuse class J Standard fault Short circui | | drop-out | | | 0/11- | |
| in-rush W 7080 holding W 1.31.5 Max cycles frequency Mechanical operation Operating times Average time for Us control in AC Closing NO min ms 45 max ms 90 Opening NO min ms 24 max ms 60 Closing NO min ms 45 max ms 85 Opening NO min ms 24 max ms 60 UL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 220/230V HP 30 220/230V HP 60 575/600V HP 75 General USE Contactor Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse class RK5 Anticient conditions Fuse class RK5 | Average coil concumpt | ion <20°C | | max | %US | ≤70 US min |
| Make cycles frequency V 1.31.5 Macchanical operation cycles/h 1500 Operating times | Average coll consumpt | ion ≤20 C | | in work | 14/ | 70 00 |
| Max cycles frequency Mechanical operation cycles/h 1500 Coperating times Average time for Us control in AC Closing NO min ms 45 max ms 90 Opening NO min ms 24 max ms 60 The Closing NO min ms 45 max ms 85 Opening NO min ms 24 max ms 60 Ut technical data Ut technical data Ut technical performance for three-phase AC motor 200/208V HP 30 460/480V HP 30 460/480V HP 60 575/600V HP 30 460/480V HP 60 575/600V HP 75 General USE Contactor Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Anbient conditions Temperature Operating temperature | | | | | | |
| Mechanical operation cycles/h 1500 Operating times | Max avalaa fraguanay | | | noiding | VV | 1.31.3 |
| Operating times Average time for Us control in AC Closing NO max ms Opening NO min ms max ms Opening NO min ms in DC Closing NO Closing NO min max ms Opening NO min max ms Average time for Use max Opening NO min max ms Max ms Average time for Use max Opening NO min min ms Average time for Use max Opening NO max max ms for three-phase AC motor 200/208V 200/208V HP 30 220/203V HP | | | | | ovolaa/b | 1500 |
| Average time for Us control in AC Closing NO $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | | | | | cycles/n | 1500 |
| in AC Closing NO $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | | ntrol | | | | |
| $\begin{tabular}{lllllllllllllllllllllllllllllllllll$ | Average lime for US CO | | | | | |
| $\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $ | | | | | | |
| $\begin{array}{c c c c c c } & & & & & & & & & & & & & & & & & & &$ | | | | min | me | 15 |
| $\begin{tabular}{l l l l l l l l l l l l l l l l l l l $ | | | | | | |
| $\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $ | | | | max | 1115 | 30 |
| max ms 60 in DC Closing NO min ms 45 max ms 85 max ms 85 Opening NO min ms 24 max ms 60 UL technical data max ms 60 max ms 60 VI technical data max ms 60 max ms 60 VI technical data max ms 60 max ms 60 VI technical data max ms 60 max ms 60 VI technical data max ms 60 max ms 60 Vielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 200/208V HP 70 30 220/230V HP 70 General USE Contactor AC current A 150 100 100 100 100 10 | | | | min | me | 24 |
| in DC Closing NO min ms 45 max ms 85 Opening NO min ms 24 max ms 60 UL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 220/230V HP 30 220/230V HP 60 575/600V HP 60 575/600V HP 75 General USE Contactor Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions Temperature Operating temperature | | | | | | |
| $\begin{tabular}{lllllllllllllllllllllllllllllllllll$ | | | | Παλ | 1115 | 00 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | | | |
| $\begin{array}{ccccccc} & & & & & & & & & & & & & & & &$ | | | | min | me | 45 |
| Opening NO min ms 24 max ms 60 UL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/208V HP 30 220/208V HP 30 460/480V HP 60 575/600V HP 75 General USE Contactor AC current A Short-circuit protection fuse, 600V High fault High fault Fuse rating A 200 Standard fault Short circuit current KA 100 Fuse rating A 250 Fuse rating A 250 Fuse class RK5 | | | | | | |
| min ms 24 max ms 60 VL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 460/480V HP 60 575/600V HP 75 General USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse class J Standard fault Short circuit current kA 10 Fuse class J Standard fault Coperating temperature Min °C -50 | | | | Παλ | 1113 | 00 |
| max ms 60 UL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 220/230V HP 30 220/230V HP 30 460/480V HP 60 575/600V HP 75 General USE Contactor AC current A AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current KA 10 Fuse class J Standard fault Short circuit current KA 10 Fuse class RK5 RK5 | | | Opening NO | min | ms | 24 |
| UL technical data Yielded mechanical performance for three-phase AC motor 200/208V HP 30 AGeneral USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse class J Standard fault Short circuit current KA 10 Standard fault Short circuit current KA 10 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C -50 | | | | | | |
| Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 30 460/480V HP 60 575/600V HP 75 General USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current KA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C -50 | UL technical data | | | Шах | 1110 | 00 |
| for three-phase AC motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | | rformance | | | | |
| 200/208V HP 30 220/230V HP 30 220/230V HP 30 460/480V HP 60 575/600V HP 75 General USE | notada modificarioar po | | otor | | | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | 200/208V | HP | 30 |
| 460/480V HP 60 General USE Contactor | | | | | | |
| 575/600V HP 75 General USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C -50 | | | | | | |
| General USE Contactor AC current A 150 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse rating A 200 Fuse class J Short circuit current kA 10 Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions RK5 Temperature Operating temperature min °C -50 | | | | | | |
| Contactor AC current A 150 Short-circuit protection fuse, 600V | General USE | | | | | - |
| AC current A 150 Short-circuit protection fuse, 600V High fault KA 100 Fuse rating A 200 200 Fuse rating A 200 200 Fuse class J J J Standard fault Short circuit current KA 10 Fuse rating A 250 Euse class RK5 Ambient conditions RK5 RK5 Temperature Operating temperature min °C -50 | | Contactor | | | | |
| Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C -50 | | | | AC current | А | 150 |
| High fault High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions RK5 Temperature min °C | Short-circuit protection | fuse, 600V | | | | |
| Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions RK5 Temperature min °C | | | | | | |
| Fuse rating A 200 Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions RK5 Temperature min °C | | U ··· | | Short circuit current | kA | 100 |
| Fuse class J Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C min °C -50 | | | | | | |
| Standard fault Short circuit current kA 10 Fuse rating A 250 Fuse class RK5 | | | | - | | |
| Short circuit currentkA10Fuse ratingA250Fuse classRK5Ambient conditionsTemperatureOperating temperaturemin°C-50 | | Standard fault | | | | |
| Fuse rating Fuse rating Fuse rating Fuse rating Fuse rating Fuse rating RK5 Ambient conditions Temperature Operating temperature min °C -50 | | | | Short circuit current | kA | 10 |
| Fuse class RK5 Ambient conditions | | | | Fuse rating | А | |
| Temperature Operating temperature min °C -50 | | | | • | | |
| Temperature Operating temperature min °C -50 | Ambient conditions | | | | | |
| Operating temperature min °C -50 | | | | | | |
| min °C -50 | | Operating temperature | е | | | |
| max °C 70 | | - | | min | °C | -50 |
| | | | | max | °C | 70 |

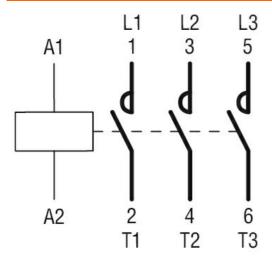


THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC/DC COIL, 20...48VAC/DC

BF9500E024

| | Storage temperature | | | |
|----------------------|---------------------|-----|----|------|
| | | min | °C | -60 |
| | | max | °C | +80 |
| Max altitude | | | m | 3000 |
| Dimensions [mm (in)] | | | | |
| | | | | |

Wiring diagrams



Certifications and compliance

| GA C22.2 n° 60947-1 GA C22.2 n° 60947-4-1 C/EN/BS 60947-1 |
|---|
| |
| C/EN/BS 60947-1 |
| |
| C/EN/BS 60947-4-1 |
| 60947-1 |
| 60947-4-1 |
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BF9500E024

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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC/DC COIL, 20...48VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching





| Product designation Product type designation | | | Power contactor BF95 |
|--|--------------------|--------|-------------------------|
| Contact characteristics | | | DI 00 |
| Number of poles | | Nr. | 3 |
| Rated insulation voltage Ui IEC/EN | | V | 1000 |
| Rated impulse withstand voltage Uimp | | kV | 8 |
| Operational frequency | | | |
| | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | | Α | 140 |
| Operational current le | | | |
| | AC-1 (≤40°C) | А | 140 |
| | AC-1 (≤55°C) | А | 115 |
| | AC-1 (≤70°C) | А | 100 |
| | AC-3 (≤440V ≤55°C) | А | 95 |
| | AC-4 (400V) | А | 45 |
| Rated operational power AC-3 (T≤55°C) | | | |
| | 230V | kW | 30 |
| | 400V | kW | 55 |
| | 415V | kW | 55 |
| | 440V | kW | 55 |
| | 500V | kW | 75 |
| | 690V | kW | 90 |
| | 1000V | kW | 45 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | A | 140 |
| | 75V | A | 100 |
| | 110V | A | 10 |
| | 220V | A | - |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | -0.1) (| • | 4.40 |
| | ≤24V | A | 140 |
| | 48V | A | 140 |
| | 75V | A | 140 |
| | 110V 220V | A | 110 12 |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series | 220 V | A | 12 |
| The max current le in DCT with $L/R \leq 100$ with 5 poles in series | ≤24V | ۸ | 140 |
| | ≤24∨ 48V | A | 140 |
| | 48V 75V | A A | 155 |
| | 110V | A | 120 |
| | 220V | A | 125 |
| IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series | 2201 | ~ | 120 |
| | ≤24V | А | 140 |
| | 48V | A | 140 |
| | 404 | ~ | |



75V

А

155

| | | | 100 | |
|--|--|---|---|--|
| | 110V | А | 140 | |
| | 220V | А | 140 | |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | | | | |
| · · | ≤24V | А | 140 | |
| | 48V | A | 44 | |
| | | | | |
| | 75V | A | 36 | |
| | 110V | А | 6 | |
| | 220V | Α | — | |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | | |
| | ≤24V | А | 140 | |
| | 48V | А | 63 | |
| | 75V | A | 60 | |
| | 110V | A | 55 | |
| | | | | |
| | 220V | A | 7 | |
| IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series | | | | |
| | ≤24V | А | 140 | |
| | 48V | Α | 115 | |
| | 75V | А | 90 | |
| | 110V | А | 85 | |
| | 220V | A | 76 | |
| IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series | 2201 | | 10 | |
| The max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series | -0.0.4 | | 4.40 | |
| | ≤24V | Α | 140 | |
| | 48V | А | 110 | |
| | 75V | Α | 110 | |
| | 110V | А | 105 | |
| | 220V | А | 95 | |
| Short-time allowable current for 10s (IEC/EN60947-1) | | А | 760 | |
| Protection fuse | | | | |
| Totection ruse | | ۸ | 160 | |
| | gG (IEC) | A | 160 | |
| | aM (IEC) | A | 100 | |
| Making capacity (RMS value) | | А | 1200 | |
| Breaking capacity at voltage | | | | |
| | 440V | А | 1100 | |
| | | | 775 | |
| | | A | (1) | |
| | 500V | A A | 775 745 | |
| Posistance per polo (averago valuo) | | А | 745 | |
| Resistance per pole (average value) | 500V | | | |
| Resistance per pole (average value) Power dissipation per pole (average value) | 500V 690V | A mΩ | 745 0.45 | |
| | 500V 690V Ith | A mΩ W | 745 0.45 8.8 | |
| Power dissipation per pole (average value) | 500V 690V | A mΩ | 745 0.45 | |
| | 500V 690V Ith | A mΩ W | 745 0.45 8.8 | |
| Power dissipation per pole (average value) | 500V 690V Ith | A mΩ W | 745 0.45 8.8 | |
| Power dissipation per pole (average value) | 500V 690V Ith AC3 min | A mΩ W W | 745 0.45 8.8 4.1 6 | |
| Power dissipation per pole (average value) | 500V 690V Ith AC3 min max | A mΩ W W Nm | 745 0.45 8.8 4.1 6 7 | |
| Power dissipation per pole (average value) | 500V 690V Ith AC3 min max min | A mΩ W W Nm Ibin | 745 0.45 8.8 4.1 6 7 4.4 | |
| Power dissipation per pole (average value) Tightening torque for terminals | 500V 690V Ith AC3 min max | A mΩ W W Nm | 745 0.45 8.8 4.1 6 7 | |
| Power dissipation per pole (average value) | 500V 690V Ith AC3 min max min max | A mΩ W W Nm Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 | |
| Power dissipation per pole (average value) Tightening torque for terminals | 500V 690V Ith AC3 min max min max min max | A mΩ W W Nm Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 | |
| Power dissipation per pole (average value) Tightening torque for terminals | 500V 690V Ith AC3 min max min max | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 | |
| Power dissipation per pole (average value) Tightening torque for terminals | 500V 690V Ith AC3 min max min max min max | A mΩ W W Nm Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 | |
| Power dissipation per pole (average value) Tightening torque for terminals | 500V 690V Ith AC3 min max min max | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 | |
| Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal | 500V 690V Ith AC3 min max min max min max min | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 0.59 | |
| Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal Conductor section | 500V 690V Ith AC3 min max min max min max min | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 0.59 | |
| Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal | 500V 690V Ith AC3 min max min max min max min max min max | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 0.59 0.74 | |
| Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal Conductor section | 500V 690V Ith AC3 min max min max min max min | A mΩ W W Nm Ibin Ibin Ibin | 745 0.45 8.8 4.1 6 7 4.4 5.2 0.8 1 0.59 | |



| | 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 |
| - | ection according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | | | | |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| Fixing | | | | Screw / DIN rail |
| | | | | 35mm |
| Veight | | | g | 2060 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | |
| | | max | | 2/0 |
| Auxiliary contact cha | racteristics | | | |
| Thermal current Ith | | | А | 140 |
| Operations | | | | |
| Mechanical life | | | cycles | 15000000 |
| Electrical life | | | cycles | 1400000 |
| AC coil operating | | | | |
| Rated AC voltage at | 50/60Hz, 60Hz | | | |
| | | min | V | 60 |
| | | max | V | 110 |
| Rated AC voltage at | 50/60Hz | | V | 110 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | Prost of | min | %Us | 80 Us min |
| | | max | %Us | 110 Us max |
| | drop-out | | , | |
| | | max | %Us | ≤70 Us min |
| | of 50/60Hz coil powered at 60Hz | max | , | |
| | pick-up | | | |
| | Plot up | min | %Us | 80 Us min |
| | | max | %Us | 110 Us max |
| | drop-out | IIIdA | /003 | 110 03 1104 |
| | | max | %Us | ≤70 Us min |
| AC average coil cons | sumption at 20°C | Πάλ | /003 | _/ 0 00 mm |
| | of 50/60Hz coil powered at 50Hz | | | |
| | | in-rush | VA | 70175 |
| | | holding | VA VA | 1.73.5 |
| | of 50/60Hz coil powered at 60Hz | noiuing | ۷A | 1.1 |
| | of 50/60Hz coil powered at 60Hz | 10 M 10 | ١/٨ | 70 175 |
| | | in-rush | VA | 70175 |
| | | holding | VA | 1.73.5 |
| | of 60Hz coil powered at 60Hz | | . / . | 70 475 |
| | · | | 1//1 | /11 1/6 |
| | | in-rush | VA | 70175 |
| Dissipation at holding | | in-rush holding | VA VA W | 1.73.5 1.31,5 |

DC rated control voltage

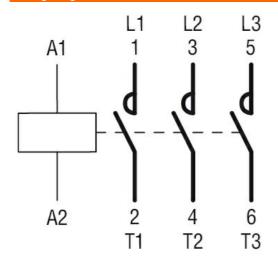


| | | | min | V | 60 |
|--------------------------|-----------------------|------------|-----------------------|----------|------------|
| | | | max | V | 110 |
| DC rated control voltag | е | | | V | 110 |
| DC operating voltage | | | | | |
| | pick-up | | | | |
| | | | min | %Us | 80 Us min |
| | | | max | %Us | 110 Us max |
| | drop-out | | | | |
| | | | max | %Us | ≤70 Us min |
| Average coil consumpt | ion ≤20°C | | | | |
| | | | in-rush | W | 7080 |
| | | | holding | W | 1.31.5 |
| Max cycles frequency | | | | | |
| Mechanical operation | | | | cycles/h | 1500 |
| Operating times | | | | | |
| Average time for Us co | ntrol | | | | |
| | in AC | | | | |
| | | Closing NO | | | |
| | | - | min | ms | 45 |
| | | | max | ms | 90 |
| | | Opening NO | | | |
| | | | min | ms | 24 |
| | | | max | ms | 60 |
| | in DC | | | | |
| | | Closing NO | | | |
| | | 5 | min | ms | 45 |
| | | | max | ms | 85 |
| | | Opening NO | | | |
| | | 512 5 | min | ms | 24 |
| | | | max | ms | 60 |
| UL technical data | | | | | |
| Yielded mechanical pe | rformance | | | | |
| | for three-phase AC m | otor | | | |
| | | | 200/208V | HP | 30 |
| | | | 220/230V | HP | 30 |
| | | | 460/480V | HP | 60 |
| | | | 575/600V | HP | 75 |
| General USE | | | 0.0,0001 | | - |
| | Contactor | | | | |
| | | | AC current | А | 150 |
| Short-circuit protection | fuse 600V | | | | |
| Short should protocilon | High fault | | | | |
| | | | Short circuit current | kA | 100 |
| | | | Fuse rating | A | 200 |
| | | | Fuse class | 17 | J |
| | Standard fault | | 1 000 01000 | | ~ |
| | | | Short circuit current | kA | 10 |
| | | | Fuse rating | A | 250 |
| | | | Fuse class | Π | RK5 |
| Ambient conditions | | | | | |
| Temperature | | | | | |
| remperature | Operating temperature | 2 | | | |
| | Operating temperature | 5 | | °C | 50 |
| | | | min | °C °C | -50 |
| | | | max | U U | 70 |



| | Storage temperature | | | | |
|----------------------|--------------------------|--|-----|----|------|
| | | | min | °C | -60 |
| | | | max | °C | +80 |
| Max altitude | | | | m | 3000 |
| Dimensions [mm (in)] | | | | | |
| | 62 (2.44") (+65') 151 | | | | |

Wiring diagrams



Certifications and compliance

| <u>CSA C22.2 n° 60947-1</u> CSA C22.2 n° 60947-4-1 |
|---|
| 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 |
| |
| CCC |
| cULus |
| |
| |

BF9500E110

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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC/DC COIL, 60...110VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching





| Product designation | | | Power contactor |
|--|--------------------|-----|-----------------|
| Product type designation | | | BF95 |
| Contact characteristics | | | |
| Number of poles | | Nr. | 3 |
| Rated insulation voltage Ui IEC/EN | | V | 1000 |
| Rated impulse withstand voltage Uimp | | kV | 8 |
| Operational frequency | | | |
| | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | | Α | 140 |
| Operational current le | | | |
| | AC-1 (≤40°C) | А | 140 |
| | AC-1 (≤55°C) | А | 115 |
| | AC-1 (≤70°C) | А | 100 |
| | AC-3 (≤440V ≤55°C) | А | 95 |
| | AC-4 (400V) | Α | 45 |
| Rated operational power AC-3 (T≤55°C) | | | |
| | 230V | kW | 30 |
| | 400V | kW | 55 |
| | 415V | kW | 55 |
| | 440V | kW | 55 |
| | 500V | kW | 75 |
| | 690V | kW | 90 |
| | 1000V | kW | 45 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |
| | 75V | А | 100 |
| | 110V | А | 10 |
| | 220V | A | - |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | | | |
| | ≤24V | A | 140 |
| | 48V | А | 140 |
| | 75V | А | 140 |
| | 110V | А | 110 |
| | 220V | A | 12 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |
| | 75V | А | 155 |
| | 110V | А | 120 |
| | 220V | A | 125 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 140 |



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| | 75V | А | 155 |
|---|---|--|-------------------------------------|
| | 110V | А | 140 |
| | 220V | А | 140 |
| IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series | | | |
| | ≤24V | А | 140 |
| | 48V | А | 44 |
| | 75V | А | 36 |
| | 110V | А | 6 |
| | 220V | А | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | |
| · · | ≤24V | А | 140 |
| | 48V | A | 63 |
| | 75V | A | 60 |
| | 110V | A | 55 |
| | 220V | A | 7 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series | 2201 | | 1 |
| | ≤24V | А | 140 |
| | ≤24V 48V | A | 140 |
| | 48V 75V | A | 90 |
| | | | |
| | 110V | A | 85 |
| | 220V | Α | 76 |
| IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series | | _ | |
| | ≤24V | A | 140 |
| | 48V | А | 110 |
| | 75V | А | 110 |
| | 110V | А | 105 |
| | 220V | A | 95 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | A | 760 |
| Protection fuse | | | |
| | gG (IEC) | А | 160 |
| | aM (IEC) | Α | 100 |
| Making capacity (RMS value) | | Α | 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 |
| | AC3 | W | 4.1 |
| | | | |
| Tightening torque for terminals | A03 | | |
| Tightening torque for terminals | | Nm | 6 |
| Tightening torque for terminals | min | Nm Nm | 6 7 |
| Tightening torque for terminals | min max | Nm | 7 |
| Tightening torque for terminals | min max min | Nm Ibin | 7 4.4 |
| | min max | Nm | 7 |
| Tightening torque for terminals | min max min max | Nm Ibin Ibin | 7 4.4 5.2 |
| | min max min max min | Nm Ibin Ibin Nm | 7 4.4 5.2 0.8 |
| | min max min max min max | Nm Ibin Ibin Nm Nm | 7 4.4 5.2 0.8 1 |
| | min max min max min max min | Nm Ibin Ibin Nm Nm Ibin | 7 4.4 5.2 0.8 1 0.59 |
| Tightening torque for coil terminal | min max min max min max | Nm Ibin Ibin Nm Nm | 7 4.4 5.2 0.8 1 |
| Tightening torque for coil terminal Conductor section | min max min max min max min | Nm Ibin Ibin Nm Nm Ibin | 7 4.4 5.2 0.8 1 0.59 |
| Tightening torque for coil terminal | min max min max min max min | Nm Ibin Ibin Nm Nm Ibin | 7 4.4 5.2 0.8 1 0.59 |



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| | 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 prote | ction according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | 5 | | | |
| Operating position | | | | |
| e per a mig pe e men | | normal | | Vertical plan |
| | | allowable | | ±30° |
| | | allowable | | Screw / DIN rail |
| Fixing | | | | 35mm |
| Weight | | | a | 2060 |
| Conductor section | | | g | 2000 |
| | | | | |
| | AWG/kcmil conductor section | | | 2/0 |
| | | max | | 2/0 |
| Auxiliary contact char | acteristics | | | 4.4.0 |
| Thermal current Ith | | | А | 140 |
| Operations | | | | |
| Mechanical life | | | cycles | 15000000 |
| Electrical life | | | cycles | 1400000 |
| AC coil operating | | | | |
| Rated AC voltage at \$ | 50/60Hz, 60Hz | | | |
| | | min | V | 100 |
| | | max | V | 250 |
| Rated AC voltage at | 50/60Hz | | V | 230 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | 11 | min | %Us | 80 Us min |
| | | max | %Us | 110 Us max |
| | drop-out | | , | |
| | | max | %Us | ≤70 Us min |
| | of 50/60Hz coil powered at 60Hz | Πάλ | ,003 | _10 00 mm |
| | pick-up | | | |
| | ρισκ-αρ | min | %Us | 80 Us min |
| | | | %Us %Us | |
| | drop out | max | 70US | 110 Us max |
| | drop-out | | 0/11- | |
| | summition at 20°C | max | %Us | ≤70 Us min |
| AC average coil cons | • | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | | in-rush | VA | 70175 |
| | | holding | VA | 1.73.5 |
| | of 50/60Hz coil powered at 60Hz | | | |
| | | in-rush | VA | 70175 |
| | | holding | VA | 1.73.5 |
| | | | | |
| | of 60Hz coil powered at 60Hz | | | |
| | of 60Hz coil powered at 60Hz | in-rush | VA | 70175 |
| | of 60Hz coil powered at 60Hz | in-rush holding | VA VA | 70175 1.73.5 |

DC rated control voltage

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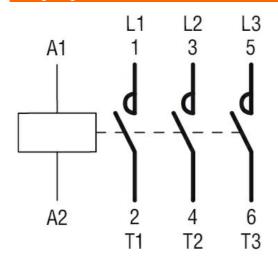
| | | | min max | V V | 100 250 |
|--------------------------|------------------------|------------|-----------------------|-----------|------------|
| DC rated control voltag | IE. | | Пах | V | 230 |
| DC operating voltage | | | | v | 200 |
| De operating vellage | pick-up | | | | |
| | plot up | | min | %Us | 80 Us min |
| | | | max | %Us | 110 Us max |
| | drop-out | | тах | /000 | |
| | | | max | %Us | ≤70 Us min |
| Average coil consumpt | tion ≤20°C | | | , | |
| , wordgo con concamp | | | in-rush | W | 7080 |
| | | | holding | W | 1.31.5 |
| Max cycles frequency | | | lioiding | | 1.011110 |
| Mechanical operation | | | | cycles/h | 1500 |
| Operating times | | | | 0,0100,11 | |
| Average time for Us co | ontrol | | | | |
| | in AC | | | | |
| | | Closing NO | | | |
| | | 0 - | min | ms | 45 |
| | | | max | ms | 90 |
| | | Opening NO | | | |
| | | | min | ms | 24 |
| | | | max | ms | 60 |
| | in DC | | | | |
| | | Closing NO | | | |
| | | - | min | ms | 45 |
| | | | max | ms | 85 |
| | | Opening NO | | | |
| | | | min | ms | 24 |
| | | | max | ms | 60 |
| UL technical data | | | | | |
| Yielded mechanical pe | | | | | |
| | for three-phase AC mo | otor | | | |
| | | | 200/208V | HP | 30 |
| | | | 220/230V | HP | 30 |
| | | | 460/480V | HP | 60 |
| | | | 575/600V | HP | 75 |
| General USE | - | | | | |
| | Contactor | | | _ | |
| | | | AC current | A | 150 |
| Short-circuit protection | | | | | |
| | High fault | | | | |
| | | | Short circuit current | kA | 100 |
| | | | Fuse rating | А | 200 |
| | | | Fuse class | | J |
| | Standard fault | | | | 4.0 |
| | | | Short circuit current | kA | 10 |
| | | | Fuse rating | A | 250 BK5 |
| Ambiont conditions | | | Fuse class | | RK5 |
| Ambient conditions | | | | | |
| Temperature | Operating topporatives | | | | |
| | Operating temperature | ; | min | °C | -50 |
| | | | | С О° | -50 70 |
| | | | max | <u> </u> | 10 |



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| | Storage temperature | _ | | |
|--------------------------------------|---------------------|------------|---------|------------|
| | | min max | °C ℃ | -60 +80 |
| Max altitude Dimensions [mm (in)] | | Шах | m | 3000 |
| Unitediagrams | | | | |

Wiring diagrams



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 |
| Certificates | |
| | CCC |
| | cULus |
| ETIM classification | |
| | |

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC/DC COIL, 100...250VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching