



| Product type designation SF50 Conact characteristics Size Siz | | | | |
|--|---|---|-----|-----------------|
| Contact characteristics Nr. 3 Rated insulation voltage Uil EC/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 A 90 Operational current Ie AC-1 (≤40°C) A 90 AC-1 (≤70°C) A 90 AC-1 (≤70°C) A 50 AC-3 (≤4400 ≤55°C) A 50 AC-4 (4000) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 30 500V kW 30 Accounce the power AC-3 (T≤55°C) 230V A 50 400V A 50 400V A 50 400V A | Product designation | | | Power contactor |
| Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Uimp V 8 Operational frequency min Hz 25 max Hz 400 IEC Conventional frequency IEC Conventional free air thermal current Ith A 90 Operational current Ie AC-1 (\$40°C) A 90 AC-1 (\$55°C) A 75 AC-1 (\$70°C) A 65 AC-3 (\$4400 \$55°C) A 55 AC-3 (\$4400 \$15°C) A 55 AC-3 (\$400 \$15°C) A 55 AC-3 (\$400 \$15°C) A 50 AC-3 (\$400 \$10°C) A 50 AC-3 | Product type designation | | | BF50 |
| Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency min Hz 25 max Hz 400 | Contact characteristics | | | |
| Rated impulse withstand voltage Uimp | Number of poles | | Nr. | 3 |
| Min Hz 25 max Hz 400 EC Conventional free air thermal current lth | Rated insulation voltage Ui IEC/EN | | V | 1000 |
| Min | Rated impulse withstand voltage Uimp | | kV | 8 |
| Max | Operational frequency | | | |
| SEC Conventional free air thermal current lth | | min | Hz | 25 |
| Operational current le AC-1 (≤40°C) A 90 AC-1 (≤55°C) A 75 AC-1 (≤70°C) A 65 AC-1 (≤70°C) A 65 AC-1 (≤70°C) A 28 AC-1 (≤70°C) A 28 AC-1 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 444V kW 30 500V kW 37 1000V kW 22 AC-1 (500V kW 30 690V kW 37 1000V kW 22 AC-1 (500V kW 30 690V kW 30 6 | | max | Hz | 400 |
| AC-1 (≤40°C) A 90 AC-1 (≤55°C) A 75 AC-1 (≤70°C) A 65 AC-3 (≤440∨ ≤55°C) A 50 AC-4 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) Rated operational current AC-3 (T≤55°C) 230V A 50 440V A 39 1000V A 39 1000V A 39 1000V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V K 34 40V A 50 440V A 39 1000V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 1110V A 8 220V A - | IEC Conventional free air thermal current Ith | | Α | 90 |
| AC-1 (≤55°C) A 75 AC-1 (≤70°C) A 65 AC-3 (≤440V ≤55°C) A 50 AC-4 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 440V A 50 440V A 50 4415V A 50 440V A 50 500V A 44 690V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 75 690V kW 74 690V kW 75 690V kW 74 690V kW 74 690V kW 75 690V kW 74 690V kW 75 690V kW 74 690V kW 75 690V | Operational current le | | | |
| AC-1 (≤55°C) A 75 AC-1 (≤70°C) A 65 AC-3 (≤440V ≤55°C) A 50 AC-4 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 440V A 50 440V A 50 4415V A 50 440V A 50 500V A 44 690V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 75 690V kW 74 690V kW 75 690V kW 74 690V kW 74 690V kW 75 690V kW 74 690V kW 75 690V kW 74 690V kW 75 690V | | AC-1 (≤40°C) | Α | 90 |
| AC-3 (≤440V ≤55°C) A 50 AC-4 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 30 689V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 415V A 50 440V A 50 4415V A 50 440V A 50 500V A 44 690V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 | | * | Α | 75 |
| AC-3 (≤440V ≤55°C) A 50 AC-4 (400V) A 28 Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 30 689V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 415V A 50 440V A 50 4415V A 50 440V A 50 500V A 44 690V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 | | * | Α | 65 |
| Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 400V A 50 415V A 50 415V A 50 416V A 50 500V A 444 400V A 50 500V A 444 400V A 50 500V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V KW 34 400V KW 59 500V kW 74 690V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | | Α | |
| Rated operational power AC-3 (T≤55°C) 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 Rated operational current AC-3 (T≤55°C) 230V A 50 400V A 50 415V A 50 415V A 50 416V A 50 500V A 444 400V A 50 500V A 444 400V A 50 500V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V KW 34 400V KW 59 500V kW 74 690V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | • | | 28 |
| 230V kW 15 400V kW 22 415V kW 30 440V kW 30 500V kW 37 1000V kW 22 22 23 24 24 24 24 24 | Rated operational power AC-3 (T≤55°C) | , | | |
| 400V kW 22 415V kW 30 440V kW 30 440V kW 30 500V kW 30 690V kW 37 1000V kW 22 22 22 23 23 23 23 2 | , , , | 230V | kW | 15 |
| 415V | | 400V | kW | |
| A40V kW 30 | | 415V | kW | |
| 690V kW 37 1000V kW 22 | | 440V | kW | |
| 1000V kW 22 | | 500V | kW | |
| Rated operational current AC-3 (T≤55°C) 230V A 50 400V A 50 415V A 50 440V A 50 500V A 44 690V A 39 1000V A 23 Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | 690V | kW | |
| 230V | | 1000V | kW | 22 |
| 230V | Rated operational current AC-3 (T≤55°C) | | | |
| 415V | | 230V | Α | 50 |
| 440V | | 400V | Α | 50 |
| S00V A 44 | | 415V | Α | 50 |
| 690V A 39 1000V A 23 | | 440V | Α | 50 |
| Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | 500V | Α | 44 |
| Rated operational power AC-1 (T≤40°C) 230V kW 34 400V kW 59 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A — | | 690V | Α | 39 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 1000V | Α | 23 |
| | Rated operational power AC-1 (T≤40°C) | | | |
| 500V kW 74 690V kW 102 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | 230V | kW | 34 |
| 690V kW 102 | | 400V | kW | 59 |
| IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A - | | 500V | kW | 74 |
| ≤24V A 45 48V A 40 75V A 40 110V A 8 220V A — | | 690V | kW | 102 |
| 48V A 40 75V A 40 110V A 8 220V A - | IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series | | | |
| 75V A 40 110V A 8 220V A – | | ≤24V | Α | 45 |
| 110V A 8 220V A - | | 48V | | 40 |
| 220V A – | | 75V | Α | 40 |
| | | 110V | Α | 8 |
| | | 220V | Α | _ |
| IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series | IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series | | | |
| ≤24V A 60 | | ≤24V | Α | 60 |



| | 48V | Α | 60 |
|--|----------|----------|-----|
| | 75V | Α | 60 |
| | 110V | A | 50 |
| | | | |
| | 220V | Α | 7 |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series | | | |
| | ≤24V | Α | 60 |
| | 48V | Α | 60 |
| | 75V | Α | 60 |
| | 110V | Α | 55 |
| | 220V | A | 75 |
| IFO | 2201 | <u> </u> | 73 |
| IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series | | | |
| | ≤24V | Α | 60 |
| | 48V | Α | 60 |
| | 75V | Α | 60 |
| | 110V | Α | 60 |
| | 220V | Α | 90 |
| IFC may current to in DC2 DC5 with L/D < 15mg with 1 notes in parise | 220 V | | |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | -0.11 | | 0.0 |
| | ≤24V | Α | 30 |
| | 48V | Α | 25 |
| | 75V | Α | 22 |
| | 110V | Α | 3 |
| | 220V | Α | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | |
| 120 max current le in 200-200 with 2/10 2 10/10 with 2 poles in series | <0.4V/ | ^ | 0.5 |
| | ≤24V | Α | 35 |
| | 48V | Α | 35 |
| | 75V | Α | 30 |
| | 110V | Α | 25 |
| | 220V | Α | 5 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series | | | |
| 120 max cancilla in 200 200 mai 211 = 10me mai o poloc in conce | ≤24V | Α | 50 |
| | | | |
| | 48V | Α | 50 |
| | 75V | Α | 45 |
| | 110V | Α | 30 |
| | 220V | Α | 40 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series | | | |
| | ≤24V | Α | 55 |
| | | | |
| | 48V | Α | 55 |
| | 75V | Α | 55 |
| | 110V | Α | 45 |
| | 220V | Α | 50 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | Α | 400 |
| Protection fuse | | | |
| | gG (IEC) | Α | 100 |
| | | | |
| | aM (IEC) | Α | 50 |
| Making capacity (RMS value) | | A | 500 |
| Breaking capacity at voltage | | | |
| | 440V | Α | 400 |
| | 500V | Α | 352 |
| | 690V | Α | 312 |
| Pocietaneo per polo (averago value) | 030 v | mΩ | 0.8 |
| Resistance per pole (average value) | | 11177 | υ.σ |
| Power dissipation per pole (average value) | | | |
| | Ith | W | 6.5 |
| | AC-3 | W | 2 |
| Tightening torque for terminals | | | |
| | | | |



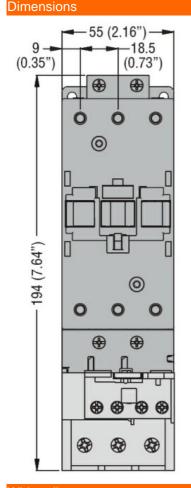
| | | min | Nm | 4 |
|-------------------------|--------------------------------------|-----------------|--------------|------------------|
| | | max | Nm | 5 |
| | | min | Ibin | 2.95 |
| | | max | Ibin | 3.69 |
| Tightening torque for o | coil terminal | | | |
| | | min | Nm | 0.8 |
| | | max | Nm | 1 |
| | | min | lbin | 0.8 |
| | | | lbin | 0.74 |
| Max a make a of wines | sino ditana a cuali ca anno atale la | max | | |
| | simultaneously connectable | | Nr. | 2 |
| Conductor section | | | | |
| | AWG/Kcmil | | | |
| | | max | | 2 |
| | Flexible w/o lug conductor section | | | |
| | | min | mm² | 1.5 |
| | | max | mm² | 35 |
| | Flexible c/w lug conductor section | | | |
| | • | min | mm² | 1.5 |
| | | max | mm² | 35 |
| Power terminal protect | tion according to IEC/EN 60529 | | | IP20 front |
| Mechanical features | mon according to 120/214 00025 | | | II ZO HOIR |
| | | | | |
| Operating position | | | | Mantical plan |
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| Fixing | | | | Screw / DIN rail |
| | | | | 35mm |
| Weight | | | g | 1060 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | |
| | | max | | 2 |
| Operations | | | | |
| Mechanical life | | | cycles | 15000000 |
| Electrical life | | | cycles | 1400000 |
| Safety related data | | | ,,,,,,, | |
| | 0d according to EN/ISO 13489-1 | | | |
| i chomianoc icvei bi | od according to ETV/ICC 13403 T | rated load | cycles | 1400000 |
| | | | • | |
| Mirror contate | na to IFC/FN 600474 4 4 | mechanical load | cycles | 15000000 |
| | ng to IEC/EN 609474-4-1 | | | yes |
| EMC compatibility | | | | yes |
| AC coil operating | | | | |
| Rated AC voltage at 5 | 0/60Hz, 60Hz | | | |
| | | min | V | 20 |
| | | max | V | 48 |
| AC operating voltage | | | | |
| _ | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | | min | %Us | 85 Us min |
| | drop-out | | - | |
| | a. op 0a. | max | %Us | ≤70 Us min |
| | of 50/60Hz coil powered at 60Hz | max | ,000 | |
| | · | | | |
| | pick-up | | 0/11- | 05 Ho min |
| | | min | %Us | 85 Us min |
| | | max | %Us | 110 Us max |
| | | | | |

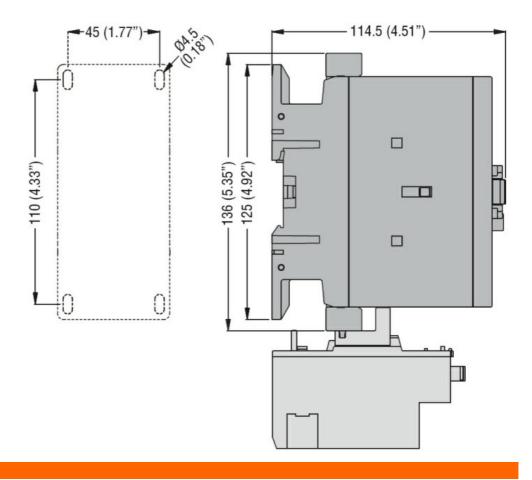


| drop | -out |
|------|------|
|------|------|

| AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush | | drop-out | | | | |
|---|-------------------------------|------------------------|----------|----------------|------------|--|
| 1 | | | max | %Us | ≤70 Us min | |
| Part | erage coil consumption at 20 |)°C | | | | |
| Part | of 50/60Hz | z coil powered at 50Hz | | | | |
| Molding | | • | in-rush | VA | 35120 | |
| Solid Sol | | | | | | |
| in-rush vA 35120 holding vA 125 1 | of 50/60H | z coil nowered at 60Hz | Holding | | 1.0 | |
| Nolding VA 1.53.7 | 01 30/001 12 | con powered at our iz | in ruch | ١/٨ | 25 120 | |
| Dissipation at holding ≤20°C 50Hz W 12.5 DC coil operating | | | | | | |
| DC rated control voltage | | | noiding | | | |
| DC rated control voltage | | | | W | 12.5 | |
| Min | | | | | | |
| DC operating voltage pick-up | ed control voltage | | | | | |
| DC operating voltage pick-up min max wus 110 us min m | | | min | V | 20 | |
| DC operating voltage pick-up min max wus 110 us min m | | | max | V | 48 | |
| Pick-up | erating voltage | | | | | |
| Max Mus Mus | | | | | | |
| Max Mus Mus | pick-up | | min | 0/.l.lc | 80 He min | |
| Average coil consumption ≤20°C | | | | | | |
| max %Us ≤70 Us minary Average coil consumption ≤20°C in-rush holding W 2368 holding W 121,9 Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC min ms 12 max Max ms 28 Opening NO min ms 8 max Max ms 22 in DC closing NO min ms 40 max Closing NO min ms 40 max ms 85 max Opening NO min ms 40 max ms 55 max 50 max 10 max ms 55 max 55 max 41 max 42 max 42 max 42 max 42 max 42 max 43 max 43 max 43 max 43 max 43 max 43 ma | . | | max | %US | 110 Us max | |
| Average coil consumption ≤20°C in-rush W 2368 holding W 1.21,9 Max cycles frequency Mechanical operation cycles/h 1500 Operating times | drop-out | | | | | |
| In-rush No 121,9 | | | max | %Us | ≤70 Us min | |
| Max cycles frequency Mechanical operation cycles/h 1500 Operating times Closing NO min ms 12 Max ms 28 Opening NO min ms 28 Closing NO min ms 22 in DC min ms 40 Closing NO min ms 40 Opening NO min ms 40 Opening NO min ms 20 Ut technical data min ms 20 Ut technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 Vielded mechanical performance for single-phase AC motor 110/120V HP 5 110/120V HP 5 230V HP 10 | ge coil consumption ≤20°C | | | | | |
| Max cycles frequency Cycles/h 1500 Operating times Closing NO min ms ms 12 max ms 28 Opening NO min ms 8 ms 8 max ms 22 in DC Closing NO Min ms 40 max ms 85 Opening NO min ms 40 max ms 85 Opening NO UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 at 70 ms 230V HP 5 | | | in-rush | W | 2368 | |
| Max cycles frequency Cycles/h 1500 Operating times Closing NO min ms ms 12 max ms 28 Opening NO min ms 8 ms 8 max ms 22 in DC Closing NO Min ms 40 max ms 85 Opening NO min ms 40 max ms 85 Opening NO UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 at 70 ms 230V HP 5 | | | holding | W | 1.21,9 | |
| Mechanical operation cycles/h 1500 Operating times Average time for Us control In AC min ms 12 max ms 28 max ms 28 Opening NO min ms 8 max ms 22 Opening NO min ms 8 max ms 22 In DC Closing NO min ms 40 max ms 85 Opening NO Min ms 20 max ms 55 UL technical data Full-load current (FLA) for three-phase AC motor 4 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 at 230V HP 10 | vcles frequency | | | | | |
| Average time for Us control in AC | • | | | cycles/h | 1500 | |
| Average time for Us control in AC Closing NO | | l | | 0 y 0 1 C 3/11 | 1000 | |
| in AC Closing NO min ms 12 max ms 28 Opening NO min ms 8 max ms 22 in DC Closing NO min ms 40 max ms 85 Opening NO min ms 40 max ms 85 Opening NO min ms 40 max ms 85 UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | | | | | | |
| Closing NO | _ | | | | | |
| Min ms 12 max ms 28 | in AC | 0 | | | | |
| Opening NO max ms 28 | | Closing NO | | | | |
| Opening NO | | | min | ms | | |
| Min ms 8 max ms 22 max ms 85 max ms 55 max ms | | | max | ms | 28 | |
| max ms 22 in DC Closing NO min ms 40 max ms 85 Nopening NO min ms 40 max ms 85 Nopening NO min ms 20 max ms 55 Nopening NO Nopening NOPening NO Nopening | | Opening NO | | | | |
| Closing NO | | | min | ms | 8 | |
| Closing NO | | | max | ms | 22 | |
| Closing NO min ms 40 max ms 85 Opening NO min ms 20 max ms 55 UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | in DC | | | | | |
| Min ms 40 max ms 85 | 23 | Closing NO | | | | |
| Opening NO Max ms 85 | | Closing 140 | min | me | 40 | |
| Opening NO min ms 20 max ms 55 UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | | | | | | |
| min ms 20 max ms 55 | | 0 | max | ms | 00 | |
| Max ms 55 | | Opening NO | • | | 00 | |
| UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | | | | | | |
| Full-load current (FLA) for three-phase AC motor at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | | | max | ms | 55 | |
| at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | hnical data | | | | | |
| at 480V A 52 at 600V A 41 Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | ad current (FLA) for three-ph | nase AC motor | | | | |
| Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | • | | at 480V | Α | 52 | |
| Yielded mechanical performance for single-phase AC motor 110/120V HP 5 230V HP 10 | | | | | | |
| for single-phase AC motor 110/120V HP 5 230V HP 10 | d mechanical performance | | | | | |
| 110/120V HP 5 | - | phase AC motor | | | | |
| 230V HP 10 | ioi single-p | phase AC HIUIUI | 440/400\ | LID | Г | |
| | | | | | | |
| for three-phase AC motor | | | 230V | <u>HP</u> | 10 | |
| · | for three-p | hase AC motor | | | | |
| 200/208V HP 15 | | | 200/208V | HP | 15 | |
| 220/230V HP 20 | | | 220/230V | HP | | |
| 460/480V HP 40 | | | | | | |
| | | | | | · • | |
| 070,000 111 40 | | | 575/600V | HP | 40 | |

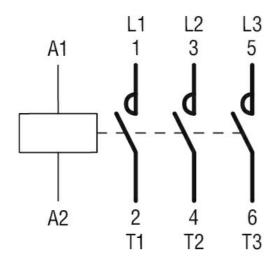
| General USE | | | | |
|-----------------------|-----------------------|-----------------------|----|------|
| | Contactor | | | |
| | | AC current | Α | 90 |
| Short-circuit protect | ion fuse, 600V | | | |
| | High fault | | | |
| | | Short circuit current | kA | 100 |
| | | Fuse rating | Α | 150 |
| | | Fuse class | | J |
| | Standard fault | | | |
| | | Short circuit current | kA | 5 |
| | | Fuse rating | Α | 150 |
| | | Fuse class | | RK5 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -40 |
| | | max | °C | 70 |
| | Storage temperature | | | |
| | | min | °C | -50 |
| | | max | °C | 80 |
| Max altitude | | | m | 3000 |
| Resistance & Protect | ction | | | |
| 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/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching