THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 110...125VDC

ENERGY AND AUTOMATION



| Product designation | | | Power contactor |
|---|--------------------|-----|-----------------|
| Product type designation | | | B115 |
| 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 | 160 |
| Operational current le | | | |
| | AC-1 (≤40°C) | Α | 160 |
| | AC-1 (≤55°C) | Α | 150 |
| | AC-1 (≤70°C) | Α | 110 |
| | AC-3 (≤440V ≤55°C) | Α | 110 |
| | AC-4 (400V) | Α | 47 |
| Rated operational power AC-3 (T≤55°C) | | | |
| | 400V | kW | 61 |
| Rated operational power AC-1 (T≤40°C) | | | |
| | 230V | kW | 57 |
| | 400V | kW | 98 |
| | 500V | kW | 129 |
| | 690V | kW | 173 |
| IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series | | | |
| | 75V | Α | 160 |
| | 110V | Α | 100 |
| | 220V | Α | _ |
| | 330V | Α | _ |
| | 460V | Α | _ |
| IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series | | | |
| | 75V | Α | 160 |
| | 110V | Α | 130 |
| | 220V | Α | 100 |
| | 330V | Α | _ |
| | 460V | Α | _ |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series | | | |
| | 75V | Α | 160 |
| | 110V | Α | 130 |
| | 220V | Α | 130 |
| | 330V | Α | 100 |
| | 460V | Α | _ |
| IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series | | · | |
| | 75V | Α | 160 |
| | 110V | Α | 130 |
| | 220V | Α | 130 |

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ENERGY AND AUTOMATION

110...125VDC

| | 330V | Α | 130 |
|--|------------|------|---------------|
| | 460V | Α | 100 |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | | | |
| | 75V | Α | 140 |
| | 110V | Α | 70 |
| | 220V | Α | _ |
| | 330V | Α | _ |
| | 460V | Α | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | |
| | 75V | Α | 140 |
| | 110V | Α | 100 |
| | 220V | Α | 80 |
| | 330V | Α | _ |
| | 460V | Α | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series | | | |
| · | 75V | Α | 140 |
| | 110V | Α | 120 |
| | 220V | Α | 100 |
| | 330V | Α | 80 |
| | 460V | Α | _ |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series | | | |
| 120 max sament is in 200 200 mai 2m = rome mai i polos in sonos | 75V | Α | 140 |
| | 110V | Α | 120 |
| | 220V | Α | 120 |
| | 330V | Α | 120 |
| | 460V | A | 80 |
| Short-time allowable current for 10s (IEC/EN60947-1) | 100 (| | 1100 |
| Protection fuse | | | 1100 |
| 1 Totalion Tuse | gG (IEC) | Α | 200 |
| | aM (IEC) | A | 125 |
| Making capacity (RMS value) | aivi (ILO) | A | 1300 |
| Breaking capacity at voltage | | | 1300 |
| breaking capacity at voltage | 440V | Α | 1300 |
| | 500V | A | 1100 |
| | | | |
| Desistance manufacture and the second | 690V | A | 880 |
| Resistance per pole (average value) | | mΩ | 0.3 |
| Power dissipation per pole (average value) | 1.1 | | |
| | Ith | W | 7.7 |
| | AC-3 | W | 4 |
| Tightening torque for terminals | | | |
| | min | Nm | 10 |
| | max | Nm | 10 |
| | min | Ibin | 7.4 |
| | max | Ibin | 7.4 |
| Max number of wires simultaneously connectable | | Nr. | 2 |
| Conductor section | | | |
| AWG/Kcmil | | | |
| | max | | 2/0 |
| Power terminal protection according to IEC/EN 60529 | | | IP00 |
| | | | |
| Mechanical features | | | |
| | | | |
| Mechanical features Operating position | normal | | Vertical plan |

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ENERGY AND AUTOMATION

110...125VDC

| Fixing | | | | Screw |
|---------------------------------|--|--------------------|----------|-----------|
| Weight | | | g | 6 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | 0.10 |
| 0 | | max | | 2/0 |
| Operations Machanical life | | | 0.40 | 1000000 |
| Mechanical life Electrical life | | | cycles | 10000000 |
| Safety related data | | | cycles | 1100000 |
| | 0d according to EN/ISO 13489-1 | | | |
| i enomiance level bit | od according to ETV/100 10409-1 | rated load | cycles | 1100000 |
| | | mechanical load | cycles | 1000000 |
| Mirror contats accordi | ng to IEC/EN 609474-4-1 | THOUSANDAN TOAC | 0,0.00 | yes |
| EMC compatibility | | | | yes |
| AC coil operating | | | | , |
| Rated AC voltage at 5 | 0/60Hz, 60Hz | | | |
| - | | min | V | 220 |
| | | max | V | 240 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | | 0/11 | 0.0 |
| | | min | %Us | 20 |
| | of EO/GOLIz poil powered at GOLIz | max | %Us | 60 |
| | of 50/60Hz coil powered at 60Hz pick-up | | | |
| | ріск-ар | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | max | 7000 | 110 |
| | 3.5p 33. | min | %Us | 20 |
| | | max | %Us | 60 |
| | of 60Hz coil powered at 60Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | | min | %Us | 20 |
| 40 | | max | %Us | 60 |
| AC average coil consu | • | | | |
| | of 50/60Hz coil powered at 50Hz | امنیت منا | 1// | 200 |
| | | in-rush holding | VA VA | 300 10 |
| | of 50/60Hz coil powered at 60Hz | noluing | VA | 10 |
| | or 50/001 12 con powered at 00112 | in-rush | VA | 300 |
| | | holding | VA | 10 |
| Dissipation at holding | ≤20°C 50Hz | Holding | W | 10 |
| DC coil operating | | | | . 5 |
| DC rated control voltage | ge | | | |
| | ~ | min | V | 220 |
| | | max | V | 240 |
| DC operating voltage | | | | |

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ENERGY AND AUTOMATION 110...125VDC

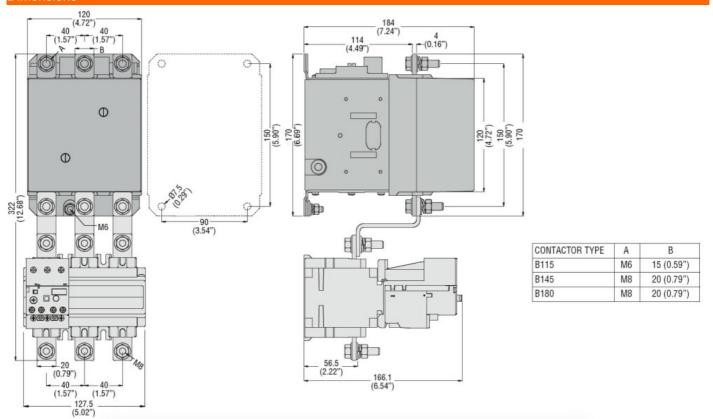
| Pick-up | | | | | | |
|--|--------------------------|--------------------------|-----------|---|-----------|-------|
| Max Musua Musua | | pick-up | | | | |
| Average coil consumption ≤20°C min | | | | | | |
| min %Us 20 Max with %Us 20 Max with %Us 60 Max with | | | | max | %Us | 110 |
| Max Wus 60 | | drop-out | | | 0/11 | 0.0 |
| Average coll consumption \$20°C In-rush holding W 300 holding W 10 | | | | | | |
| Max cycles frequency | Average sell consument | dan <00°C | | max | %US | 60 |
| Max cycles frequency | Average con consumpt | .1011 ≥20 ℃ | | in ruch | 14/ | 200 |
| Max cycles frequency Cycles/h 2400 Operating times Average time for Us control in AC min max ms for max | | | | | | |
| Mechanical operation | May cycles frequency | | | noluling | VV | 10 |
| Operating times Average time for Us control in AC | - | | | | cyclos/b | 2400 |
| Average time for Us control in AC Closing NO min max ms 100 Opening NO min ms 25 max ms 60 in DC Closing NO min ms 60 max ms 60 Opening NO Opening NO Min ms 80 Opening NO Min ms 96 Use technical data Full-load current (FLA) for three-phase AC motor at 480V A 96 at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current Fuse rating A 500 Fuse rating A 500 Fuse rating A 500 Fuse class Ambient conditions Temperature Operating temperature min °C 50 max °C 70 Storage temperature min °C 50 max °C 80 Storage temperature min °C 60 max °C 80 | | | | | Cycles/11 | 2400 |
| In AC | | introl | | | | |
| Closing NO | Average time for 03 00 | | | | | |
| Max altitude Max M | | | losing NO | | | |
| Max | | · | g | min | ms | 60 |
| Opening NO | | | | | | |
| Min max ms 60 max ms 60 | | 0 | pening NO | | • | |
| Max | | | | min | ms | 25 |
| Closing NO | | | | | | |
| Maria | | in DC | | | | |
| Opening NO | | С | losing NO | | | |
| Opening NO | | | | min | ms | 60 |
| Min min ms 25 ms 60 | | | | max | ms | 100 |
| Max | | 0 | pening NO | | | |
| Ul-load current (FLA) for three-phase AC motor | | | | min | ms | 25 |
| Full-load current (FLA) for three-phase AC motor at 480V A 96 at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current Fuse rating A 500 Fuse rating A 500 Fuse class RK5 Ambient conditions Temperature Operating temperature Operating temperature Storage temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude Max altitude | | | | max | ms | 60 |
| At 480V A 996 at 600V A 999 | | | | | | |
| at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current kA 5 Fuse rating A 500 Fuse class RK5 Ambient conditions Temperature Min °C -50 Max °C 70 Storage temperature min °C -60 Max altitude min °C -60 max °C 80 | Full-load current (FLA) | for three-phase AC motor | | | | |
| Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current kA 5 Fuse rating A 500 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude Max altitude | | | | | | |
| for three-phase AC motor 200/208V | | | | at 600V | Α | 99 |
| 200/208V | Yielded mechanical per | | | | | |
| 220/230V | | for three-phase AC motor | | | | |
| Storage temperature S75/600V HP 100 10 | | | | | | |
| Contactor | | | | | | |
| Contactor AC current A 160 | 0 11105 | | | 575/600V | HP | 100 |
| AC current | General USE | O a stanta a | | | | |
| Short-circuit protection fuse, 600V Standard fault Short circuit current KA 5 Fuse rating A 500 Fuse class RK5 | | Contactor | | A C 2: :================================= | ۸ | 160 |
| Standard fault Short circuit current KA 5 Fuse rating A 500 Fuse class RK5 | Chart aircuit protection | fuco 600\/ | | AC current | А | 100 |
| Short circuit current | Short-circuit protection | | | | | |
| Fuse rating Fuse class Fuse class RK5 | | Statiuatu läult | | Short circuit current | L۸ | F |
| Fuse class RK5 | | | | | | |
| Ambient conditions Temperature Operating temperature | | | | _ | A | |
| Operating temperature | Ambient conditions | | | i use ciass | | IXIXU |
| Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 | | | | | | |
| min min max °C -50 max -50 record of the control of th | remperature | Operating temperature | | | | |
| max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 | | Sporaming tomporation | | min | °C | -50 |
| Storage temperature min °C -60 max °C 80 Max altitude m 3000 | | | | | | |
| min min max °C max -60 max Max altitude m 3000 | | Storage temperature | | Max | | |
| max °C 80 Max altitude m 3000 | | | | min | °C | -60 |
| Max altitude m 3000 | | | | | | |
| | Max altitude | | | | | |
| | | n | | | | |

ENERGY AND AUTOMATION

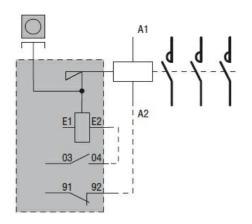
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, electric already fitted with Mechanical Latch (G495), 220...240VAC/DC, Mechanical Latch 110...125VDC

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 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

TIM classification

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 110...125VDC

ENERGY AND AUTOMATION

ETIM 8.0

EC000066 -Power contactor, AC switching