



| Product designation | | | | Auxiliary contactor |
|---|---|-----------|------|--------------------------|
| Product type designation | | | | BG00 |
| Contact characteristics Number of poles | | | Nr. | 4 |
| Rated insulation voltage l | Ii IEC/EN | | V | 690 |
| Rated impulse withstand | | | kV | 6 |
| Operational frequency | voltage Olimp | | K V | 0 |
| Operational frequency | | min | Hz | 25 |
| | | max | Hz | 400 |
| IEC Conventional free air | thermal current Ith | тах | A | 10 |
| Protection fuse | thomas durone in | | | 10 |
| 1 1010011011 1000 | | gG (IEC) | Α | 16 |
| Tightening torque for term | ninals | g0 (IL0) | | 10 |
| rightering torque for term | illuio | min | Nm | 0.8 |
| | | max | Nm | 1 |
| | | min | lbin | 9 |
| | | max | lbin | 9 |
| Tightening torque for coil | terminal | | | |
| 99 4 | | min | Nm | 0.8 |
| | | max | Nm | 1 |
| | | min | lbin | 9 |
| | | max | lbin | 9 |
| Max number of wires sime | ultaneously connectable | | Nr. | 2 |
| Conductor section | • | | | |
| A | AWG/Kcmil | | | |
| | | max | | 12 |
| - F | Flexible w/o lug conductor section | | | |
| | - | min | mm² | 0.8 |
| | | max | mm² | 2.5 |
| F | Flexible c/w lug conductor section | | | |
| | | min | mm² | 1.5 |
| _ | | max | mm² | 2.5 |
| F | Flexible with insulated spade lug conductor section | | | |
| | | min | mm² | 1.5 |
| | | max | mm² | 2.5 |
| Power terminal protection according to IEC/EN 60529 | | | | IP20 |
| Mechanical features | | | | |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| Fixing | | | | Screw / DIN rail 35mm |
| Weight | | | g | 200 |
| Conductor section | | | | |



AWG/kcmil conductor section

| | AVVG/RCMII conductor section | max | | 12 |
|---------------------------|---|-----------------|----------|---------------|
| Auxiliary contact charact | cteristics | | | |
| Thermal current Ith | | | Α | 10 |
| IEC/EN 60947-5-1 des | ignation | | | A600 - Q600 |
| Operating current AC1 | 5 | | | , |
| | | 230V | Α | 3 |
| | | 400V | Α | 1.9 |
| | | 500V | Α | 1.4 |
| Operating current DC1 | 2 | | | |
| | | 110V | Α | 2.9 |
| Operating current DC1 | 3 | | | |
| | | 24V | Α | 2.9 |
| | | 48V | Α | 1.4 |
| | | 60V | Α | 1.2 |
| | | 110V | Α | 0.6 |
| | | 125V | Α | 0.55 |
| | | 220V | Α | 0.3 |
| | | 600V | Α | 0.1 |
| Operations | | | | |
| Mechanical life | | | cycles | 20000000 |
| Safety related data | | | , | |
| - | d according to EN/ISO 13489-1 | | | |
| | G | mechanical load | cycles | 20000000 |
| Mirror contats according | g to IEC/EN 609474-4-1 | | | YES |
| EMC compatibility | g 10 1 c, c c c 11 1 | | | YES |
| AC coil operating | | | | . 20 |
| Rated AC voltage at 50 |)/60Hz | | V | 230 |
| AC operating voltage | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| The special grands | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | ριοκ αρ | min | %Us | 75 |
| | | max | %Us | 115 |
| | drop-out | max | 7003 | 110 |
| | diop out | min | %Us | 20 |
| | | max | %Us | 55 |
| | of 50/60Hz coil powered at 60Hz | Пих | 7003 | |
| | pick-up | | | |
| | ριοίτ αρ | min | %Us | 80 |
| | | max | %Us | 115 |
| | drop-out | max | 7000 | 110 |
| | arop out | min | %Us | 20 |
| | | max | %Us | 55 |
| AC average coil consu | motion at 20°C | max | 7000 | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | 2. 23, 33. 12 33 portorou de 301 12 | in-rush | VA | 30 |
| | | holding | VA | 4 |
| | of 50/60Hz coil powered at 60Hz | Holding | ٧, ١ | <u> </u> |
| | 3. 33/33/12 33/1 poworda at 30/12 | in-rush | VA | 25 |
| | | holding | VA VA | 3 |
| | of 60Hz coil powered at 60Hz | Holding | ٧٨ | |
| | or our iz con powered at ounz | in-rush | VA | 30 |
| | | holding | VA VA | 4 |
| | | | v.~\ | - |

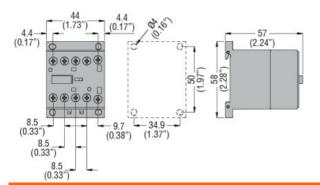


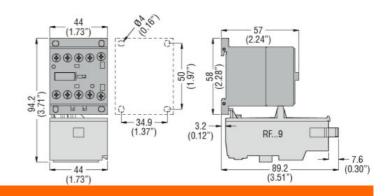
ENERGY AND AUTOMATION

| Dissinction at holding | . <20°C 50∐- | | | W | 0.9 |
|--|--------------------------|---------------|------------|-----------|-------------|
| Dissipation at holding Max cycles frequency | | | | VV | 0.9 |
| Mechanical operation | | | | cycles/h | 3600 |
| | | | | sycies/fi | 3000 |
| Operating times Average time for Us of | pontrol | | | | |
| Average time for US (| in AC | | | | |
| | III AC | Closing NO | | | |
| | | Closing NO | min | ms | 12 |
| | | | max | ms | 21 |
| | | Opening NO | IIIax | 1115 | 21 |
| | | Opening NO | min | ms | 9 |
| | | | max | ms | 18 |
| | | Closing NC | IIIax | 1115 | 10 |
| | | Closing NC | min | me | 17 |
| | | | | ms | |
| | | Opening NC | max | ms | 26 |
| | | Opening NC | min | me | 7 |
| | | | | ms | |
| | in DC | | max | ms | 17 |
| | In DC | Clasina NO | | | |
| | | Closing NO | | | 40 |
| | | | min | ms | 18 |
| | | On anima NO | max | ms | 25 |
| | | Opening NO | | | 0 |
| | | | min | ms | 2 |
| | | Ola alia a NO | max | ms | 3 |
| | | Closing NC | •. | | 0 |
| | | | min | ms | 3 |
| | | 0 NO | max | ms | 5 |
| | | Opening NC | •. | | 44 |
| | | | min | ms | 11 |
| till control of the Late | | | max | ms | 17 |
| UL technical data | | | | | |
| General USE | | | | | |
| | Contactor | | • • | | |
| | | | AC current | Α | 10 |
| | liary contacts according | to UL | | | A600 - Q600 |
| Ambient conditions | | | | | |
| Temperature | | | | | |
| | Operating temperature | re | , | 0.0 | 5 0 |
| | | | min | °C | -50 |
| | | | max | °C | +70 |
| | Storage temperature | | | | |
| | | | min | °C | -60 |
| | | | max | °C | +80 |
| Max altitude | | | | m | 3000 |
| Resistance & Protect | ion | | | | |
| Dallatian dansa | | | | | 3 |
| Pollution degree Dimensions | | | | | Ü |

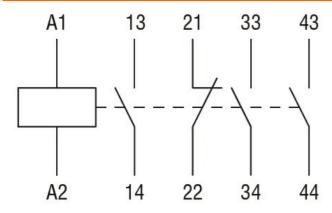


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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

IEC/EN 60947-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-5-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -Contactor relay