



| | | | | |
|---|---------------------------------|-----------------|-----------------------|---------------------|
| Product designation | | | | Auxiliary contactor |
| Product type designation | | | | BG00 |
| Contact characteristics | | | | |
| Number of poles | Nr. | | | 4 |
| Rated insulation voltage U_i IEC/EN | V | | | 690 |
| Rated impulse withstand voltage U_{imp} | kV | | | 6 |
| Operational frequency | min | Hz | 25 | |
| | max | Hz | 400 | |
| IEC Conventional free air thermal current I_{th} | A | | | 10 |
| Protection fuse | gG (IEC) | | A | 16 |
| | Tightening torque for terminals | | | |
| | min | Nm | 0.8 | |
| | max | Nm | 1 | |
| | min | lbin | 9 | |
| | max | lbin | 9 | |
| Tightening torque for coil terminal | min | Nm | 0.8 | |
| | max | Nm | 1 | |
| | min | lbin | 9 | |
| | max | lbin | 9 | |
| Max number of wires simultaneously connectable | Nr. | | | 2 |
| Conductor section | AWG/Kcmil | | | |
| | max | | | 12 |
| Flexible w/o lug conductor section | min | mm ² | 0.75 | |
| | max | mm ² | 2.5 | |
| Flexible c/w lug conductor section | min | mm ² | 1.5 | |
| | max | mm ² | 2.5 | |
| Flexible with insulated spade lug conductor section | min | mm ² | 1.5 | |
| | max | mm ² | 2.5 | |
| Power terminal protection according to IEC/EN 60529 | | | | IP20 when wired |
| Mechanical features | | | | |
| Operating position | normal allowable | | Vertical plan ±30° | |
| | | | Screw / DIN rail 35mm | |
| Fixing | | | | |
| Weight | | | g | 179 |
| Conductor section | | | | |

AWG/kcmil conductor section

| | max | 12 | |
|--|---------------------------------|--------|----------|
| Auxiliary contact characteristics | | | |
| Thermal current I _{th} | A | 10 | |
| IEC/EN 60947-5-1 designation | A600 - Q600 | | |
| Operating current AC15 | 230V | A | 3 |
| | 400V | A | 1.9 |
| | 500V | A | 1.4 |
| Operating current DC12 | 110V | A | 2.9 |
| Operating current DC13 | 24V | A | 2.9 |
| | 48V | A | 1.4 |
| | 60V | A | 1.2 |
| | 110V | A | 0.6 |
| | 125V | A | 0.55 |
| | 220V | A | 0.3 |
| | 600V | A | 0.1 |
| Operations | | | |
| Mechanical life | cycles | | 20000000 |
| Safety related data | | | |
| Performance level B10d according to EN/ISO 13489-1 | mechanical load | cycles | 20000000 |
| Mirror contacts according to IEC/EN 60947-4-1 | YES | | |
| EMC compatibility | yes | | |
| AC coil operating | | | |
| Rated AC voltage at 60Hz | V | 120 | |
| AC operating voltage | of 60Hz coil powered at 60Hz | | |
| | pick-up | | |
| | min | %Us | 75 |
| | max | %Us | 115 |
| | drop-out | | |
| | min | %Us | 20 |
| | max | %Us | 55 |
| AC average coil consumption at 20°C | of 50/60Hz coil powered at 50Hz | | |
| | in-rush | VA | 30 |
| | holding | VA | 4 |
| | of 50/60Hz coil powered at 60Hz | | |
| | in-rush | VA | 25 |
| | holding | VA | 3 |
| | of 60Hz coil powered at 60Hz | | |
| | in-rush | VA | 30 |
| | holding | VA | 4 |
| Dissipation at holding =20°C 50Hz | W | 0.95 | |
| Max cycles frequency | | | |
| Mechanical operation | cycles/h | | 3600 |
| Operating times | | | |
| Average time for U _s control | in AC | | |
| | Closing NO | | |

| | | | | |
|------------|--|-----|----|----|
| | | min | ms | 12 |
| | | max | ms | 21 |
| Opening NO | | min | ms | 9 |
| | | max | ms | 18 |
| Closing NC | | min | ms | 17 |
| | | max | ms | 26 |
| Opening NC | | min | ms | 7 |
| | | max | ms | 17 |
| <hr/> | | | | |
| in DC | | | | |
| Closing NO | | min | ms | 18 |
| | | max | ms | 25 |
| Opening NO | | min | ms | 2 |
| | | max | ms | 3 |
| Closing NC | | min | ms | 3 |
| | | max | ms | 5 |
| Opening NC | | min | ms | 11 |
| | | max | ms | 17 |

UL technical data

General USE

Contactor

AC current A 10

Contact rating of auxiliary contacts according to UL

A600 - Q600

Ambient conditions

Temperature

Operating temperature

min °C -50
max °C +70

Storage temperature

min °C -60
max °C +80

Max altitude

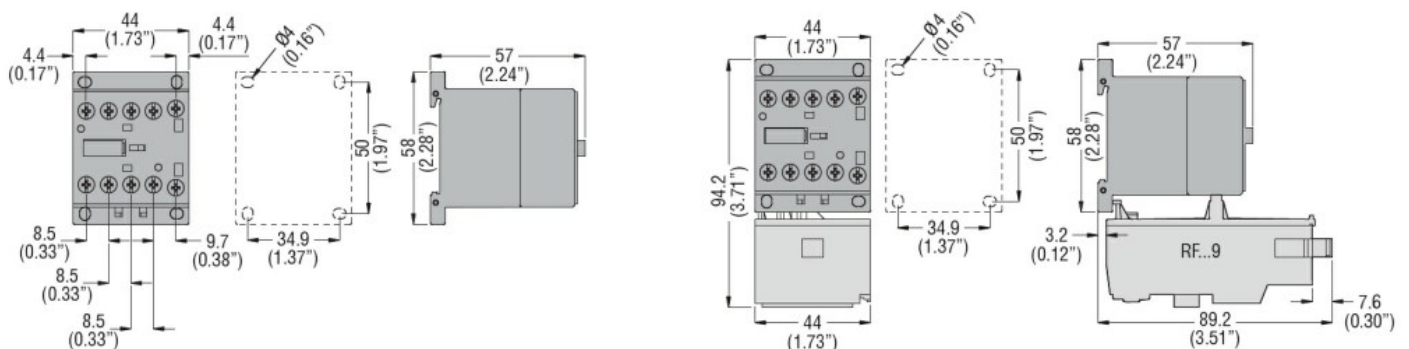
m 3000

Resistance & Protection

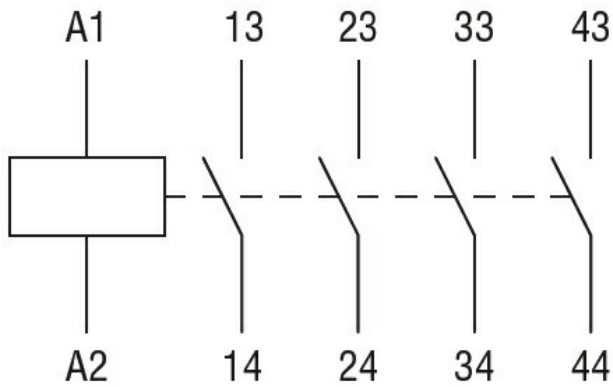
Pollution degree

3

Dimensions



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