



| | | | | |
|---|-----|------------------|------|--------------------------|
| 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 properly wired |
| Mechanical features | | | | |
| Operating position | | | | |
| | | normal allowable | | Vertical plan ±30° |
| Fixing | | | | Screw / DIN rail 35mm |
| Weight | | | g | 178 |

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 460

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

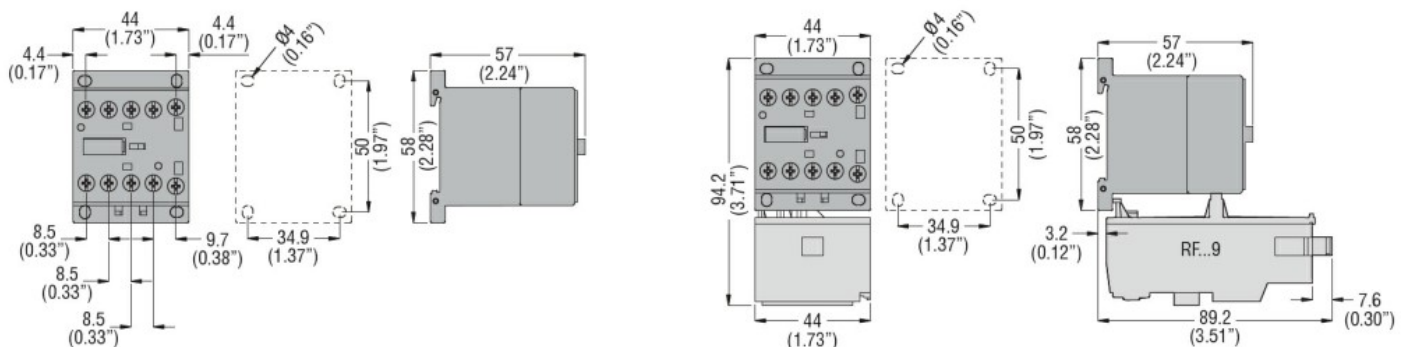
m 3000

Resistance & Protection

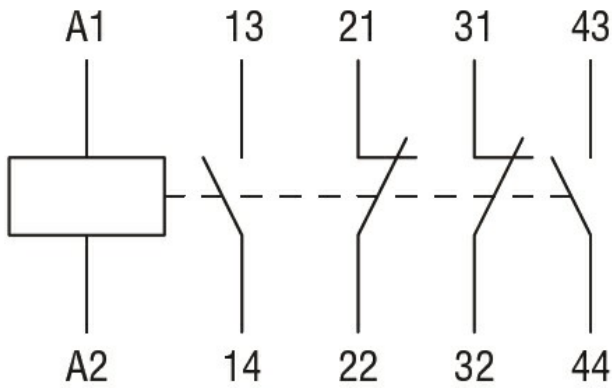
Pollution degree

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

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay