



Product designation

Product type designation

Auxiliary
contactor
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 max | Hz Hz 25 400 |
| IEC Conventional free air thermal current I_{th} | A | 10 |
| Protection fuse | gG (IEC) | A 16 |
| Tightening torque for terminals | min max min max | Nm Nm lbin lbin 0.8 1 9 9 |
| Tightening torque for coil terminal | min max min max | Nm Nm lbin lbin 0.8 1 9 9 |
| Max number of wires simultaneously connectable | Nr. | 2 |

Conductor section

AWG/Kcmil

max 12

Flexible w/o lug conductor section

min mm² 0.75
max mm² 2.5

Flexible c/w lug conductor section

min mm² 1.5
max mm² 2.5

Flexible with insulated spade lug conductor section

min mm² 1.5
max mm² 2.5

Power terminal protection according to IEC/EN 60529

IP20 when 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 | |

| | | | | | |
|------------|------------|-----|----|----|--|
| | Opening NO | min | ms | 12 | |
| | | max | ms | 21 | |
| | Closing NC | min | ms | 9 | |
| | | max | ms | 18 | |
| | Opening NC | min | ms | 17 | |
| | | max | ms | 26 | |
| | | min | ms | 7 | |
| | | max | ms | 17 | |
| | 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

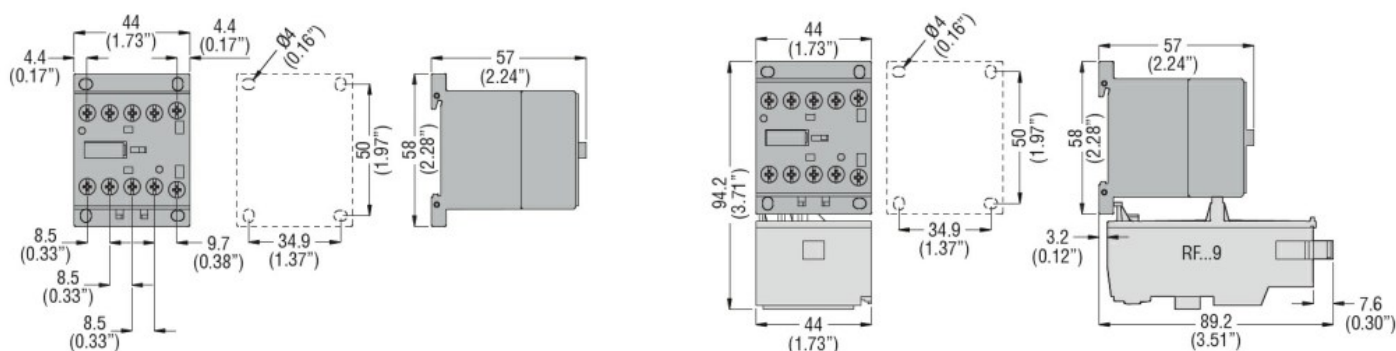
m 3000

Resistance & Protection

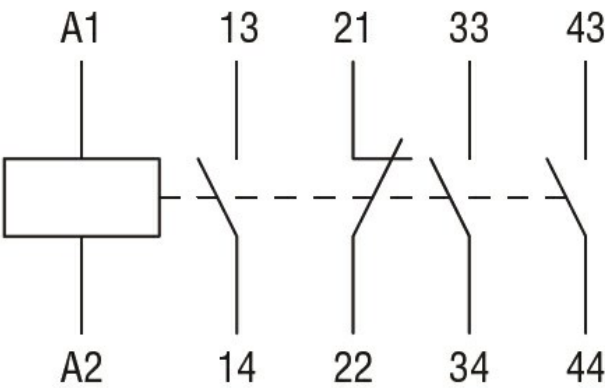
Pollution degree

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