



| | | | |
|---|------------------------------------|-----------------|-----------------------------------|
| Product designation | Auxiliary contactor | | |
| Product type designation | BF00 | | |
| Contact characteristics | | | |
| Number of poles | Nr. | 4 | |
| Rated insulation voltage Ui IEC/EN | V | 690 | |
| Rated impulse withstand voltage Uimp | kV | 6 | |
| Operational frequency | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | A | 10 | |
| Operational current Ie | AC-1 ($\leq 55^{\circ}\text{C}$) | A | 0 |
| Protection fuse | gG (IEC) | A | 25 |
| Tightening torque for terminals | min | Nm | 1.5 |
| | max | Nm | 1.8 |
| | min | Ibin | 1.1 |
| | max | Ibin | 1.5 |
| Tightening torque for coil terminal | min | Nm | 0.8 |
| | max | Nm | 1 |
| | min | Ibin | 0.8 |
| | max | Ibin | 0.74 |
| Max number of wires simultaneously connectable | Nr. | 2 | |
| Conductor section | | | |
| AWG/Kcmil | max | | 10 |
| Flexible w/o lug conductor section | min | mm ² | 1 |
| | max | mm ² | 6 |
| Flexible c/w lug conductor section | min | mm ² | 1 |
| | max | mm ² | 4 |
| Flexible with insulated spade lug conductor section | min | mm ² | 1 |
| | max | mm ² | 4 |
| Power terminal protection according to IEC/EN 60529 | IP20 when properly wired | | |
| Mechanical features | | | |
| Operating position | normal allowable | | Vertical plan $\pm 30^{\circ}$ |

| | | | | | |
|---|------------------------------|--------|----------|--|--|
| Fixing | Screw / DIN rail 35mm | | | | |
| Weight | g 346 | | | | |
| Auxiliary contact characteristics | | | | | |
| Thermal current I_{th} | A 10 | | | | |
| IEC/EN 60947-5-1 designation | A600 - P600 | | | | |
| Operating current AC15 | 230V | A | 3 | | |
| | 400V | A | 1.9 | | |
| | 500V | A | 1.4 | | |
| Operating current DC12 | 110V | A | 5.7 | | |
| Operating current DC13 | 24V | A | 5.7 | | |
| | 48V | A | 2.9 | | |
| | 60V | A | 2.3 | | |
| | 110V | A | 1.25 | | |
| | 125V | A | 1.1 | | |
| | 220V | A | 0.55 | | |
| | 600V | A | 0.2 | | |
| Operations | | | | | |
| Mechanical life | cycles 20000000 | | | | |
| Safety related data | | | | | |
| Performance level B10d according to EN/ISO 13489-1 | mechanical load | cycles | 20000000 | | |
| EMC compatibility | yes | | | | |
| AC coil operating | | | | | |
| Rated AC voltage at 60Hz | V | 575 | | | |
| AC operating voltage | of 60Hz coil powered at 60Hz | | | | |
| | pick-up | min | %Us 80 | | |
| | | max | %Us 110 | | |
| | drop-out | min | %Us 20 | | |
| | | max | %Us 55 | | |
| AC average coil consumption at 20°C | | | | | |
| of 60Hz coil powered at 60Hz | in-rush | VA | 75 | | |
| | holding | VA | 9 | | |
| Dissipation at holding $\leq 20^\circ\text{C}$ 50Hz | W | 2.5 | | | |
| Max cycles frequency | | | | | |
| Mechanical operation | cycles/h 3600 | | | | |
| Operating times | | | | | |
| Average time for Us control | | | | | |
| in AC | | | | | |
| | Closing NO | min | ms 8 | | |
| | | max | ms 24 | | |
| | Opening NO | min | ms 10 | | |
| | | max | ms 20 | | |
| | Closing NC | min | ms 17 | | |

| | | | |
|------------|-----|----|----|
| Opening NC | max | ms | 30 |
| | min | ms | 7 |
| | max | ms | 18 |

UL technical data

| | | |
|-----------------------------------|---|-----|
| Rated operational voltage AC (UL) | V | 600 |
|-----------------------------------|---|-----|

General USE

Auxiliary contacts

| | | |
|------------|---|----|
| AC current | A | 10 |
|------------|---|----|

| | |
|--|-------------|
| Contact rating of auxiliary contacts according to UL | A600 - P600 |
|--|-------------|

Ambient conditions

Temperature

Operating temperature

| | | |
|-----|----|-----|
| min | °C | -50 |
| max | °C | 70 |

Storage temperature

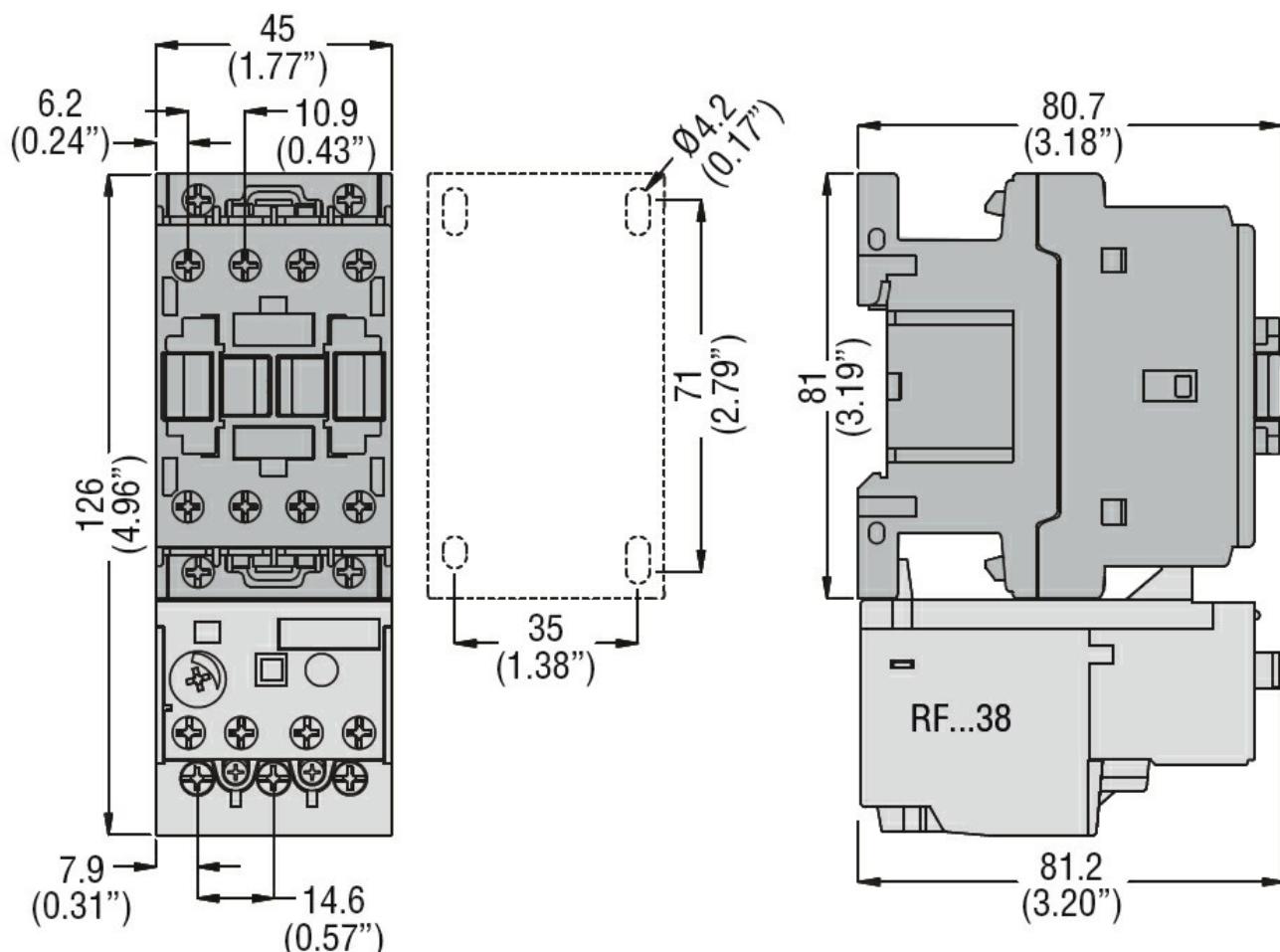
| | | |
|-----|----|-----|
| min | °C | -60 |
| max | °C | 80 |

| | | |
|--------------|---|------|
| Max altitude | m | 3000 |
|--------------|---|------|

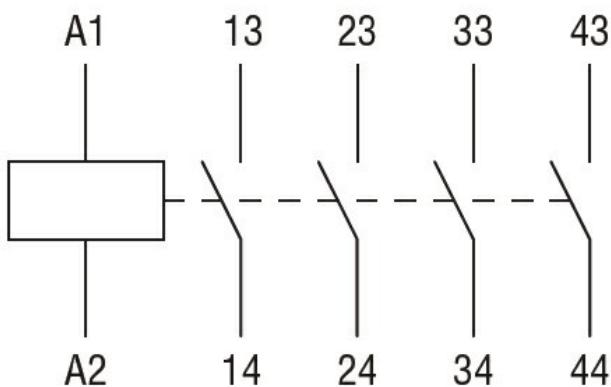
Resistance & Protection

| | |
|------------------|---|
| 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