



| | | | |
|---|--------------------------|-----------------|---------------|
| 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 | |
| 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 | | Vertical plan |
| | allowable | | ±30° |
| Fixing | Screw / DIN rail 35mm | | |
| Weight | g | 350 | |
| 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 | 24 |
| 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 14 |
| | | max ms 28 |
| | Opening NC | |
| | | 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

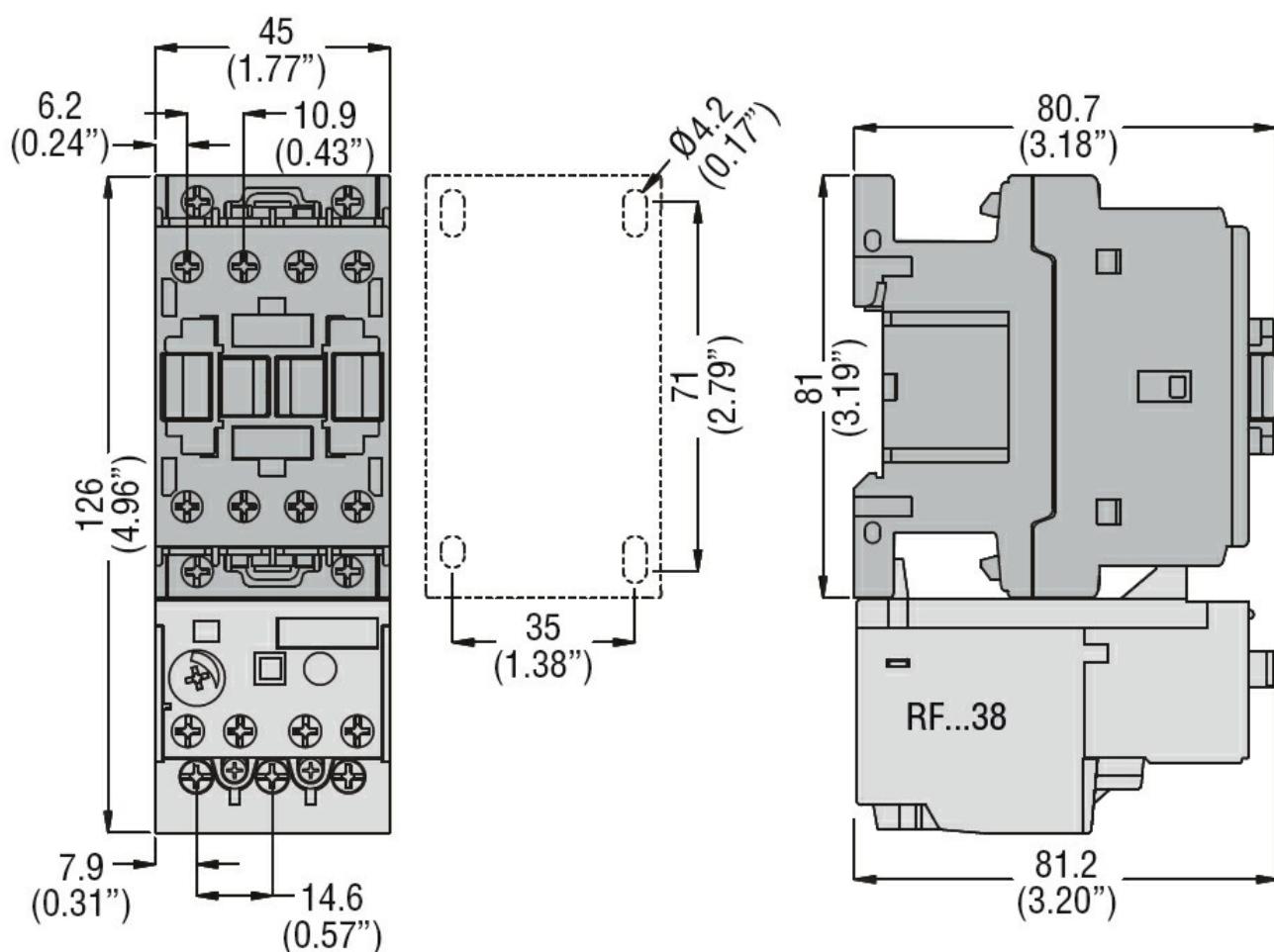
m 3000

Resistance & Protection

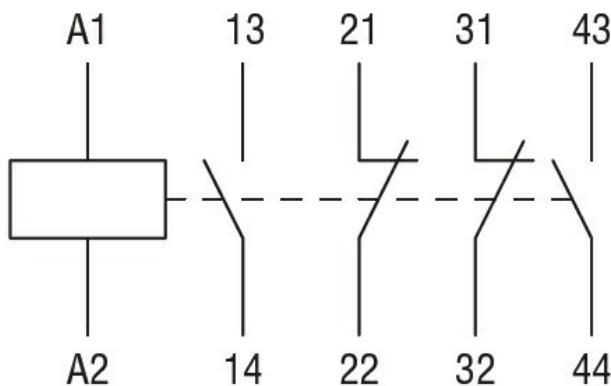
Pollution degree

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