



| | | | | |
|---|-----------------|---------------|----------|--------------------------|
| Product designation | | | | Power contactor |
| Product type designation | | | | DPBF12 |
| Contact characteristics | | | | |
| Number of poles | Nr. | | | 3 |
| Operational frequency | min | Hz | 25 | |
| | max | Hz | 400 | |
| Mechanical features | | | | |
| Operating position | normal | Vertical plan | | |
| | allowable | ±30° | | |
| Fixing | | | | Screw / DIN rail 35mm |
| Weight | g | 356 | | |
| Operations | | | | |
| Mechanical life | cycles | 20000000 | | |
| Electrical life | cycles | 2000000 | | |
| Safety related data | | | | |
| Performance level B10d according to EN/ISO 13489-1 | rated load | cycles | 2000000 | |
| | 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 | 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 ≤20°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 |

| | | | |
|------------|-----|----|----|
| Opening NO | max | ms | 24 |
| | min | ms | 10 |
| Closing NC | max | ms | 20 |
| | min | ms | 14 |
| Opening NC | max | ms | 28 |
| | min | ms | 7 |
| | max | ms | 18 |

UL technical data

Full-load current (FLA) for three-phase AC motor

at 600V A 25

Locked rotor current (LRA)

A 150

Yielded mechanical performance

for single-phase AC motor

110/120V HP 2
230V HP 3

for three-phase AC motor

200/208V HP 5
220/230V HP 5
460/480V HP 10
575/600V HP 15

General USE

Contactor

AC current A 28

Auxiliary contacts

AC voltage V 600
AC current A 10
DC voltage V 250
DC current A 1

Short-circuit protection fuse, 600V

Standard fault

Short circuit current kA 5
Fuse rating A 80
Fuse class RK5

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

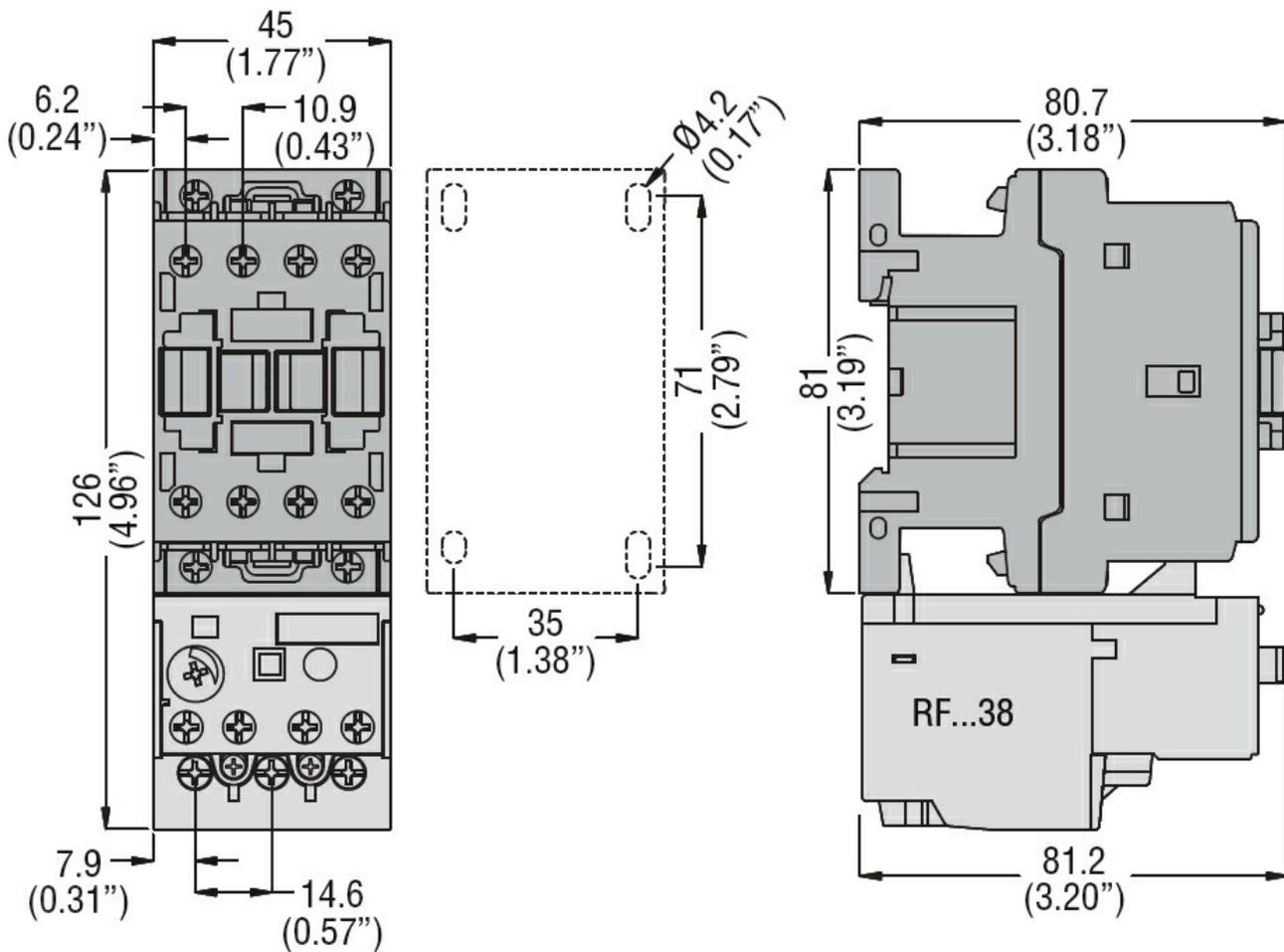
m 3000

Resistance & Protection

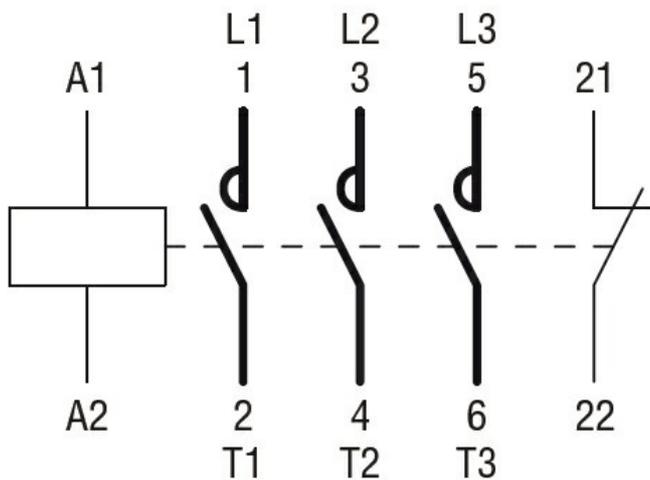
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

- CSA C22.2 n° 60947-1
- CSA C22.2 n° 60947-4-19
- UL 60947-1
- UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching