



Product designation

Power contactor

Product type designation

BF26

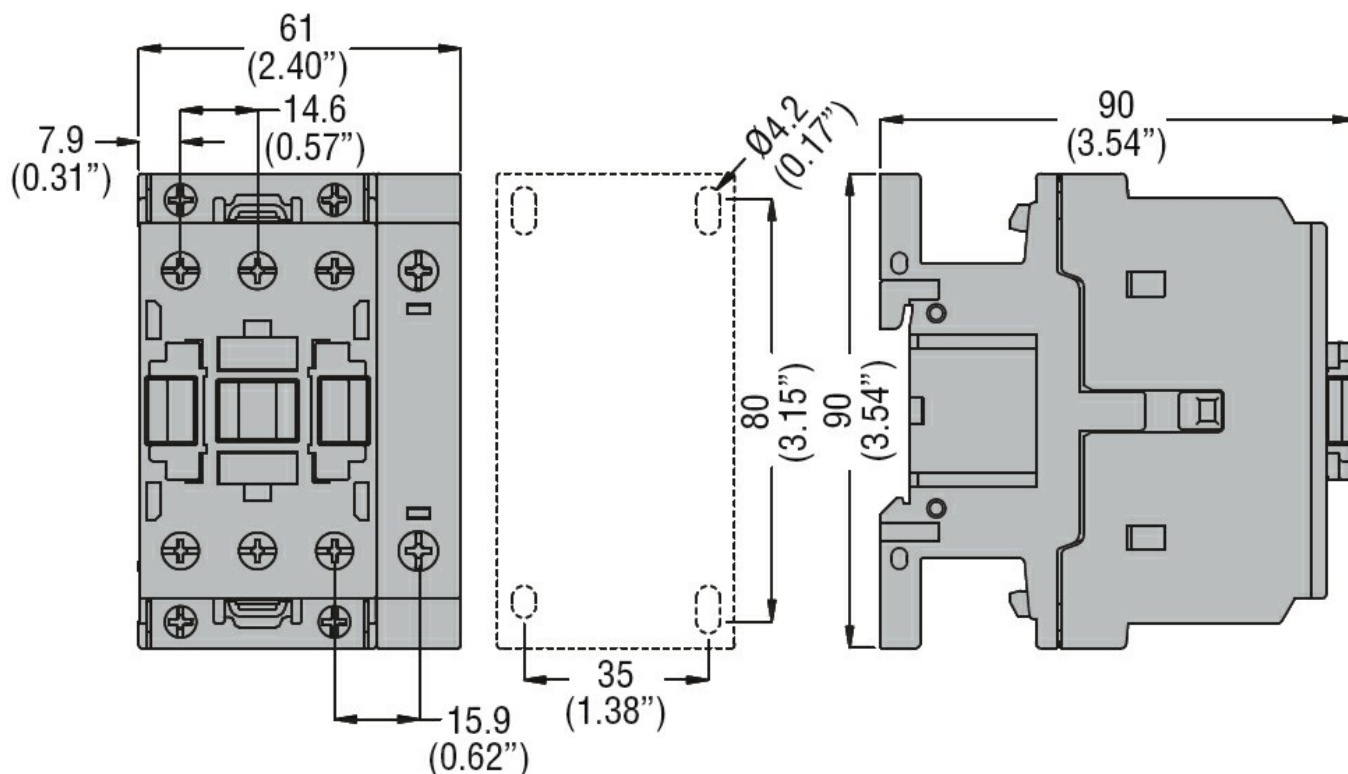
Contact characteristics

| | | |
|--|--|--------|
| 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 | 45 |
| Operational current I_e | AC-1 ($\leq 40^\circ\text{C}$) | A 45 |
| | AC-1 ($\leq 55^\circ\text{C}$) | A 36 |
| | AC-1 ($\leq 70^\circ\text{C}$) | A 32 |
| | AC-3 ($\leq 440\text{V } \leq 55^\circ\text{C}$) | A 26 |
| | AC-4 (400V) | A 11.5 |
| Rated operational power AC-1 ($T \leq 40^\circ\text{C}$) | 230V | kW 17 |
| | 400V | kW 30 |
| | 500V | kW 37 |
| | 690V | kW 51 |
| IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 1 poles in series | $\leq 24\text{V}$ | A 25 |
| | 48V | A 21 |
| | 75V | A 18 |
| | 110V | A 6 |
| | 220V | A – |
| IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 2 poles in series | $\leq 24\text{V}$ | A 28 |
| | 48V | A 28 |
| | 75V | A 25 |
| | 110V | A 22 |
| | 220V | A 2 |
| IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 3 poles in series | $\leq 24\text{V}$ | A 28 |
| | 48V | A 28 |
| | 75V | A 25 |
| | 110V | A 24 |
| | 220V | A 20 |
| IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 4 poles in series | $\leq 24\text{V}$ | A 28 |
| | 48V | A 28 |
| | 75V | A 25 |
| | 110V | A 24 |
| | 220V | A 26 |

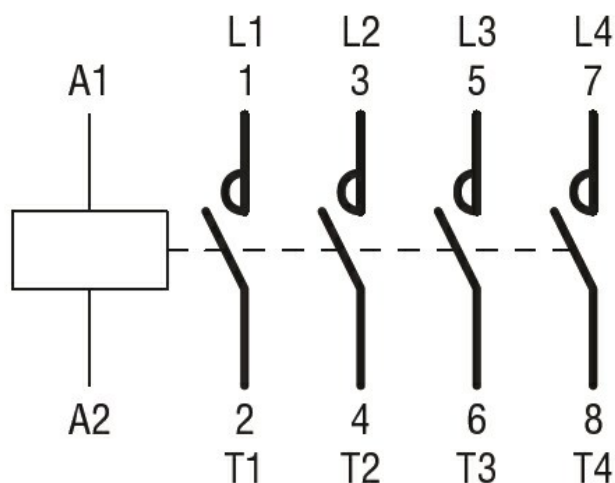
| | | | |
|--|----------|-----------------|------|
| IEC max current Ie in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | | | |
| ≤24V | A | 18 | |
| 48V | A | 15 | |
| 75V | A | 13 | |
| 110V | A | 2 | |
| 220V | A | – | |
| IEC max current Ie in DC3-DC5 with L/R ≤ 15ms with 2 poles in series | | | |
| ≤24V | A | 20 | |
| 48V | A | 20 | |
| 75V | A | 18 | |
| 110V | A | 13 | |
| 220V | A | 3 | |
| IEC max current Ie in DC3-DC5 with L/R ≤ 15ms with 3 poles in series | | | |
| ≤24V | A | 25 | |
| 48V | A | 25 | |
| 75V | A | 20 | |
| 110V | A | 18 | |
| 220V | A | 19 | |
| IEC max current Ie in DC3-DC5 with L/R ≤ 15ms with 4 poles in series | | | |
| ≤24V | A | 30 | |
| 48V | A | 30 | |
| 75V | A | 25 | |
| 110V | A | 20 | |
| 220V | A | 15 | |
| Short-time allowable current for 10s (IEC/EN60947-1) | | A | 210 |
| Protection fuse | | | |
| | gG (IEC) | A | 50 |
| | aM (IEC) | A | 32 |
| Making capacity (RMS value) | | A | 260 |
| Breaking capacity at voltage | | | |
| | 440V | A | 208 |
| | 500V | A | 184 |
| | 690V | A | 168 |
| Resistance per pole (average value) | | mΩ | 2 |
| Power dissipation per pole (average value) | | | |
| | Ith | W | 4 |
| | AC-3 | W | 1.4 |
| Tightening torque for terminals | | | |
| | min | Nm | 2.5 |
| | max | Nm | 3 |
| | min | Ibin | 1.8 |
| | max | Ibin | 2.2 |
| 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 | | 6 |
| Flexible w/o lug conductor section | | | |
| | min | mm ² | 2.5 |

| | | | |
|---|------------------|-----------------|--------------------------|
| | max | mm ² | 16 |
| Flexible c/w lug conductor section | min | mm ² | 1 |
| | max | mm ² | 10 |
| Flexible with insulated spade lug conductor section | min | mm ² | 1 |
| | max | mm ² | 10 |
| 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 | 508 |
| Operations | | | |
| Mechanical life | | cycles | 20000000 |
| Electrical life | | cycles | 1600000 |
| Safety related data | | | |
| Performance level B10d according to EN/ISO 13489-1 | rated load | cycles | 1600000 |
| | 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 holding | VA | 75 |
| | | 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 |
| | max | ms | 24 |
| Opening NO | min | ms | 5 |
| | max | ms | 15 |
| Closing NC | min | ms | 9 |
| | max | ms | 20 |
| Opening NC | | | |

| | | | | |
|--|-----------------------|-----|----|------|
| | | min | ms | 9 |
| | | max | ms | 17 |
| UL technical data | | | | |
| Rated operational voltage AC (UL) | | | V | 600 |
| Full-load current (FLA) for three-phase AC motor | | | | |
| | at 480V | A | | 21 |
| | at 600V | A | | 22 |
| Yielded mechanical performance | | | | |
| for single-phase AC motor | | | | |
| | 110/120V | HP | | 2 |
| | 230V | HP | | 5 |
| for three-phase AC motor | | | | |
| | 200/208V | HP | | 7.5 |
| | 220/230V | HP | | 7.5 |
| | 460/480V | HP | | 15 |
| | 575/600V | HP | | 20 |
| General USE | | | | |
| Contactor | | | | |
| | AC current | A | | 45 |
| Short-circuit protection fuse, 600V | | | | |
| High fault | | | | |
| | Short circuit current | kA | | 100 |
| | Fuse rating | A | | 100 |
| | Fuse class | | | J |
| Standard fault | | | | |
| | Short circuit current | kA | | 5 |
| | Fuse rating | A | | 100 |
| 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° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching