



| min max 00V 00V | Nr. V kV | 4 1000 8 |
|--------------------------|----------------|--------------------|
| max 00V | V kV Hz | 1000 8 |
| max 00V | V kV Hz | 1000 8 |
| max 00V | kV Hz | 8 |
| max 00V | Hz | |
| max 00V | | 25 |
| max 00V | | 25 |
| 00V | 1.1- | ۷. |
| | Hz | 400 |
| | Α | 115 |
| | | |
| 001/ | Α | 115 |
| 5 U V | Α | 100 |
| 00V | Α | 90 |
| 00V | Α | 80 |
| | Α | 640 |
| | | |
| IEC) | Α | 125 |
| IEC) | Α | 80 |
| - / | mΩ | 0.6 |
| | | |
| lth | W | 7.9 |
| | ••• | |
| min | Nm | 4 |
| max | Nm | 5 |
| min | lbin | 2.95 |
| max | lbin | 3.69 |
| Παλ | IDIII | 3.09 |
| min | Nm | 0.8 |
| min max | Nm | 1 |
| max | Ibin | 0.8 |
| min | lbin | |
| max | Nr. | 0.74 |
| | INI. | |
| | | |
| | | |
| max | | 2 |
| | | |
| | | 1.5 |
| | mm² | 35 |
| | | |
| max | mm² | 1.5 |
| max min | mm² | 35 |
| max min | | IP20 front |
| | max | max mm² min mm² |

Operating position



| LIVERGY AND ACTOMATION | | | | |
|---|-----------------------------------|-----------------|-----------|------------------|
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| | | | | Screw / DIN rail |
| Fixing | | | | 35mm |
| Weight | | | g | 12476 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | |
| | | max | | 2 |
| Operations Mechanical life | | | ovoloo | 15000000 |
| Safety related data | | | cycles | 15000000 |
| - | d according to EN/ISO 13489-1 | | | |
| T OHOMIANOO IOVOI B TO | a about any to Environ To loo 1 | mechanical load | cycles | 15000000 |
| EMC compatibility | | | 0,0.00 | yes |
| AC coil operating | | | | |
| Rated AC voltage at 50 |)/60Hz | | V | 230 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | drop out | max | %Us | 110 |
| | drop-out | min | %Us | 20 |
| | | max | %Us | 55 |
| | of 50/60Hz coil powered at 60Hz | | ,,,,, | |
| | pick-up | | | |
| | · · | min | %Us | 85 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | | min | %Us | 20 |
| AC average sail consu | montion at 20°C | max | %Us | 55 |
| AC average coil consul | of 50/60Hz coil powered at 50Hz | | | |
| | of 30/00112 coll powered at 30112 | in-rush | VA | 210 |
| | | holding | VA | 15 |
| | of 50/60Hz coil powered at 60Hz | 9 | | |
| | • | in-rush | VA | 195 |
| | | holding | VA | 13 |
| | of 60Hz coil powered at 60Hz | | | |
| | | in-rush | VA | 210 |
| D: : :: (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2000 FOLL | holding | VA | 15 |
| Dissipation at holding ≤ | :20°C 50Hz | | W | 5 |
| Max cycles frequency Mechanical operation | | | cycles/h | 3600 |
| Operating times | | | Cycles/11 | 3000 |
| Average time for Us co | ntrol | | | |
| 5 | in AC | | | |
| | Closing NO | | | |
| | - | min | ms | 12 |
| | | max | ms | 28 |
| | Opening NO | | | |
| | | min | ms | 8 |
| | in DC | max | ms | 22 |
| | in DC | | | |



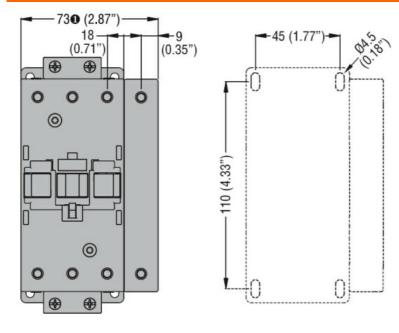
| CI | osing | NO |
|----|-------|-----|
| O | osing | 110 |

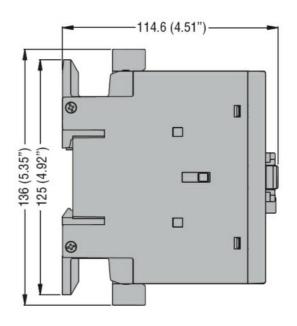
| | min | ms | 40 |
|------------|-----|----|----|
| | max | ms | 85 |
| Opening NO | | | |
| | min | ms | 20 |
| | max | ms | 55 |

UL technical data

| General USE | | | | |
|-----------------------|-----------------------|------------|----|------|
| | Contactor | | | |
| | | AC current | Α | 115 |
| | 4 poles in series DC1 | | | |
| | | 600V | Α | 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 & Protecti | on | | | |

Pollution degree **Dimensions**



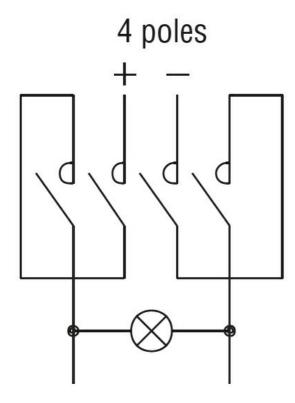


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① BF80T2 82mm/3.23"

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

cULus

ETIM classification

ETIM 8.0

EC002552 -Power contactor, DC switching