# GLCMB0160T4E110

MOTORISED FOUR-POLE CHANGEOVER SWITCH IEC/EN/BS, 110…125VAC/DC, 160A



| | | | | |
|---|---|---|---|---|
| **Contact characteristics** | | | | |
| IEC Conventional free air thermal current Ith ≤ 40°C | | | A | 160 |
| Rated insulation voltage Ui IEC/EN | | | V | 1000 |
| Rated impulse withstand voltage Uimp | | | kV | 12 |
| Operating current Ie | | | | |
| | AC21A | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| | AC22A | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| | AC23A | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| | AC-31B | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| | AC-32B | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| | AC-33B | | | |
| | | 400V | A | 160 |
| | | 500V | A | 160 |
| | | 690V | A | 160 |
| Power dissipation per pole max | | | W | 3.2 |
| Rated operational power AC23A | | | | |
| | | 400V | kW | 90 |
| | | 690V | kW | 144 |
| Reactive power for control of capacitors at | | | | |
| Conditional short-circuit current (rms) | | | kA | 100 |
| Short-circuit protection with fuse | | | Class/A | gG/160 |
| Making capacity AC23A 400V | | | A | 1600 |
| Breaking capacity AC23A 400V | | | A | 1280 |
| Mechanical life | | | cycles | 20000 |
| **Mechanical features** | | | | |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | Any |
| Fixing | | | | Screw |
| Terminals | | | | |

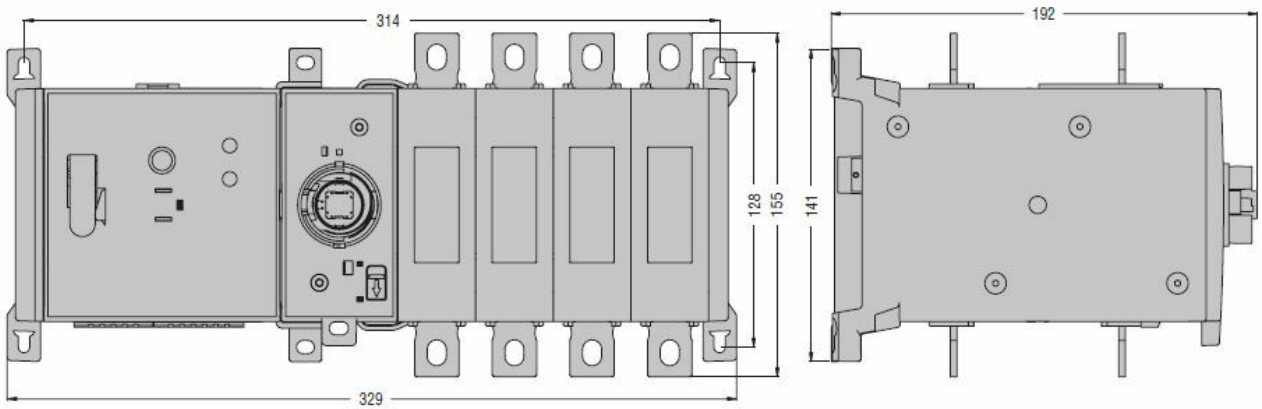

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| | | | |
|---|---|---|---|
| | type | | M8 x 25 |
| Tightening torque for terminals | | | |
| | min | Nm | 15 |
| | max | Nm | 20 |
| | min | lbin | 132 |
| | max | lbin | 177 |
| Conductor section | | | |
| | IEC min | mm² | 70 |
| | IEC max | mm² | 185 |
| | AWG/kcmil min | | 00 |
| | AWG/kcmil max | kcmil | 400 |
| Weight | | g | 7130 |
| **Motor data** | | | |
| Rated operational voltage | | V | 110… 125VAC/DC |
| Operating voltage range | | | 77…165VAC/DC |
| Operating time | | | |
| | I-O, O-I | s | 0.55…0.89 |
| | I-O-II, II-O-I | s | 1.6…2.4 |
| Rated current (In) | | A | 0.72…0.88 |
| In-rush current | | A | 1.8…2.2 |
| Switching rate | | | |
| | Max continuous Cycles/min | | 1 |
| | Short time Cycles/min | | 10 |
| **Terminal blocks data** | | | |
| Conductor section | | | |
| | IEC min | mm² | 0.2 |
| | IEC max | mm² | 2.5 |
| | AWG/kcmil min | | 24 |
| | AWG/kcmil max | | 14 |
| Maximum cable lenght | | m / ft | 100 / 328 |
| **Ambient conditions** | | | |
| Operating temperature | | | |
| | min | °C | -25 |
| | max | °C | +55 |
| Storage temperature | | | |
| | min | °C | -40 |
| | max | °C | +70 |
| Max altitude | | m | 3000 |
| **Resistance & Protection** | | | |
| Pollution degree | | | 3 |
| **Dimensions** | | | |

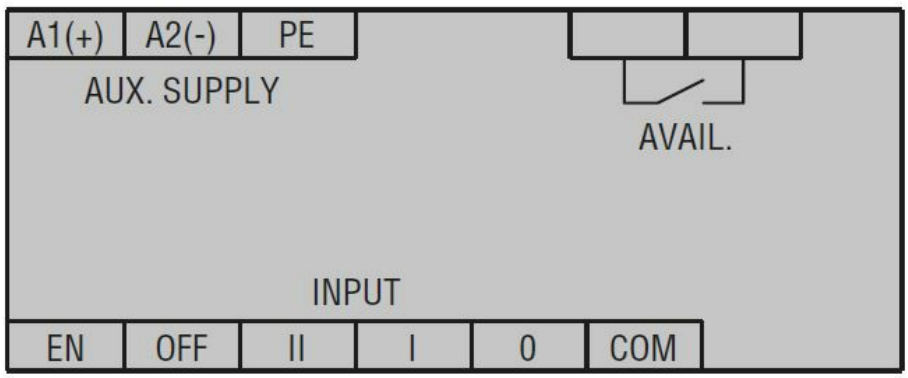

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## Wiring diagrams




## Certifications and compliance

Compliance

| |
|---|
| IEC/EN/BS 60947-3 |
| IEC/EN/BS 60947-6-1 |


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