# GLCMB0630T4D024

MOTORISED FOUR-POLE CHANGEOVER SWITCH IEC/EN/BS, 24VDC, 630A

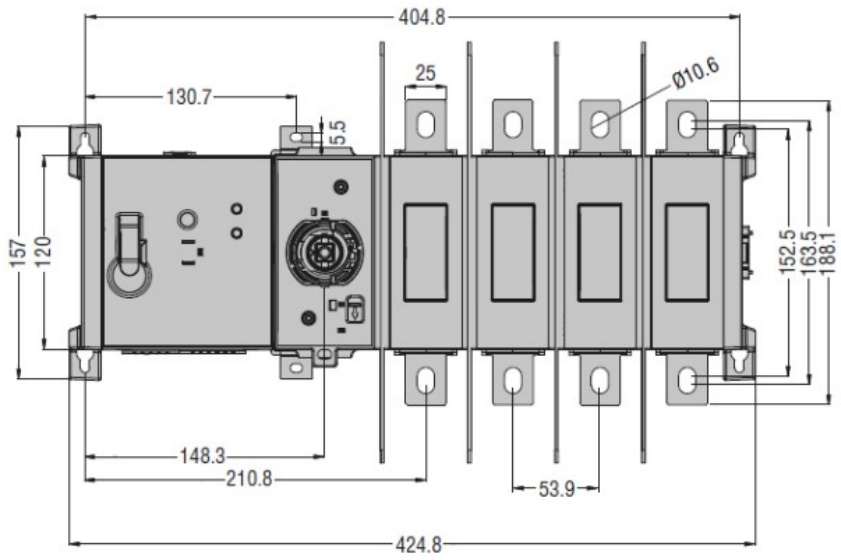


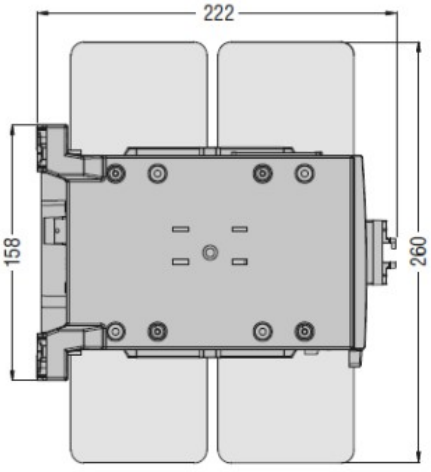
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|---|---|---|---|---|
| **Contact characteristics** | | | | |
| IEC Conventional free air thermal current Ith ≤ 40°C | | | A | 631 |
| Rated insulation voltage Ui IEC/EN | | | V | 1000 |
| Rated impulse withstand voltage Uimp | | | kV | 12 |
| Operating current Ie | | | | |
| | AC21A | | | |
| | | 400V | A | 631 |
| | | 500V | A | 631 |
| | | 690V | A | 631 |
| | AC22A | | | |
| | | 400V | A | 400 |
| | | 500V | A | 400 |
| | | 690V | A | 400 |
| | AC23A | | | |
| | | 400V | A | 400 |
| | | 500V | A | 400 |
| | | 690V | A | 400 |
| | AC-31B | | | |
| | | 400V | A | 631 |
| | AC-32B | | | |
| | | 400V | A | 400 |
| | AC-33B | | | |
| | | 400V | A | 400 |
| Power dissipation per pole max | | | W | 41.0 |
| Rated operational power AC23A | | | | |
| | | 400V | kW | 355 |
| | | 690V | kW | 400 |
| Reactive power for control of capacitors at | | | | |
| Conditional short-circuit current (rms) | | | kA | 80-50 |
| Short-circuit protection with fuse | | | Class/A | gG/630-gG/800 |
| Making capacity AC23A 400V | | | A | 6300 |
| Breaking capacity AC23A 400V | | | A | 5040 |
| Mechanical life | | | cycles | 8000 |
| **Mechanical features** | | | | |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | Any |
| Fixing | | | | Screw |
| Terminals | | | | |
| | | type | | M10 x 25 |
| Tightening torque for terminals | | | | |
| | | min | Nm | 30 |
| | | max | Nm | 37 |
| | | min | lbin | 265 |
| | | max | lbin | 327 |


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| | | | |
|---|---|---|---|
| Conductor section | | | |
| | IEC min | mm² | 1x185 |
| | IEC max | mm² | 2x240 |
| | AWG/kcmil min | | 1x400 |
| | AWG/kcmil max | kcmil | 2x400 |
| Weight | | g | 12500 |
| **Motor data** | | | |
| Rated operational voltage | | V | 24VDC |
| Operating voltage range | | | 19.2…31.2VDC |
| Operating time | | | |
| | I-O, O-I | s | 0.45…0.83 |
| | I-O-II, II-O-I | s | 1.17…1.65 |
| Rated current (In) | | A | 0.80…1.10 |
| In-rush current | | A | 6.20…10.00 |
| 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 |

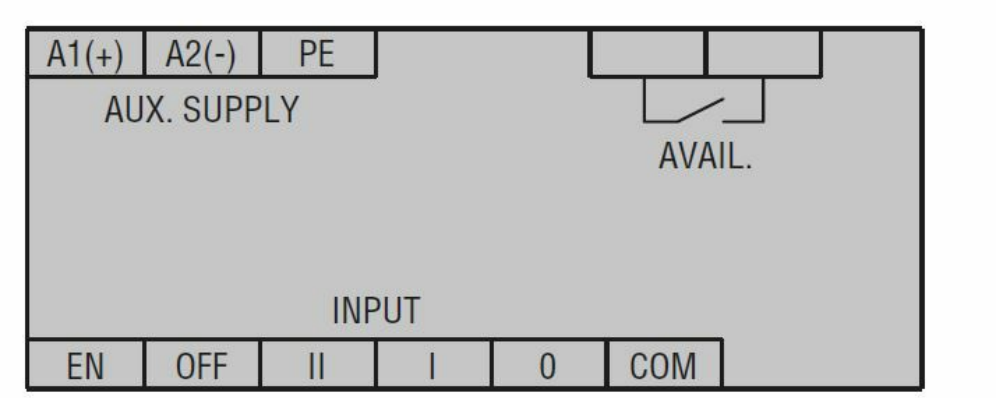
## Dimensions




## Wiring diagrams


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## Certifications and compliance

Compliance

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


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