**Lovato electric**
ENERGY AND AUTOMATION

| Product designation | | Switch disconnector |
| --- | --- | --- |
| Product type designation | | GA |
| Number of poles | Nr. | 3 |
| Operating voltage type | | AC |

| Contact characteristics | | |
| --- | --- | --- |
| IEC Conventional free air thermal current Ith | A | 40 |
| Rated insulation voltage Ui IEC/EN | V | 1000 |
| Rated impulse withstand voltage Uimp | kV | 8 |

| Operating current Ie | | | |
| --- | --- | --- | --- |
| AC21A | | | |
| | 400V | A | 40 |
| | 500V | A | 40 |
| | 690V | A | 40 |
| AC22A | | | |
| | 400V | A | 40 |
| | 500V | A | 40 |
| | 690V | A | 40 |
| AC23A | | | |
| | 400V | A | 40 |
| | 500V | A | 25 |
| | 690V | A | 25 |

| Power dissipation per pole max | W | 1 |
| --- | --- | --- |

| Rated operational power AC23A | | | |
| --- | --- | --- | --- |
| | 400V | kW | 18.5 |
| | 690V | kW | 22 |

| Conditional short-circuit current (rms) | kA | 10 |
| --- | --- | --- |
| Short-circuit protection with fuse | Class/A | gG40 |
| Making capacity AC23A 400V | A | 400 |
| Breaking capacity AC23A 400V | A | 320 |
| Mechanical life | cycles | 100000 |
| Electrical life AC21A | cycles | 100000 |

| Mechanical features | | |
| --- | --- | --- |

| Operating position | | |
| --- | --- | --- |
| normal | | Vertical plan |
| allowable | | Any |

| Fixing | | Screw / DIN rail 35mm |
| --- | --- | --- |

| Terminals | | | |
| --- | --- | --- | --- |
| | type | | Pillar |
| | width | mm | 5.6 |
| | height | mm | 6.5 |
| | screw | | M4 |
| | tool | | Phillips 2 |

Tightening torque for terminals

| | | | |
|---|---|---|---|
| min | Nm | 1.8 | |
| max | Nm | 2 | |
| min | Ibin | 16 | |
| max | Ibin | 18 | |

## Conductor section

| | | | |
|---|---|---|---|
| IEC min | mm² | 0.75 | |
| IEC max | mm² | 16 | |
| AWG/kcmil min | | 18 | |
| AWG/kcmil max | | 6 | |

## UL technical data

| | | |
|---|---|---|
| UL Standard | | UL60947-4-1 |
| General purpose current rating | A | 40 |
| Operating voltage max | V | 600 |

## Horsepower/FLA current three phase motor

| | | |
|---|---|---|
| 240V | HP | 15/42 |
| 480V | HP | 20/27 |
| 600V | HP | 25/27 |

| | | |
|---|---|---|
| Short circuit rating | kA rms | 5 |
| Short circuit rating with fuse | Class/A | RK5/45 |

## Ambient conditions

### Operating temperature

| | | |
|---|---|---|
| min | °C | -25 |
| max | °C | 55 |

### Storage temperature

| | | |
|---|---|---|
| min | °C | -40 |
| max | °C | 70 |

| | | |
|---|---|---|
| Max altitude | m | 3000 |

## Resistance & Protection

| | |
|---|---|
| Frontal IP degree | IP20 |
| Pollution degree | 3 |

## Dimensions [mm (in)]

GA040A

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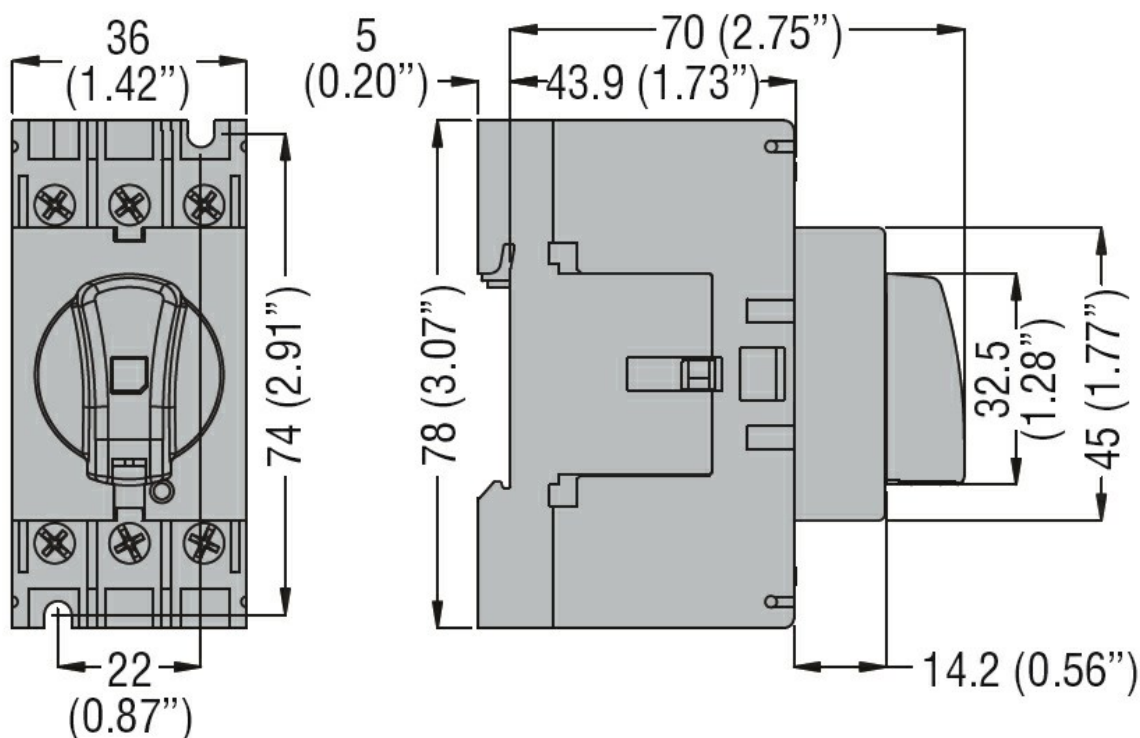
## Wiring diagrams
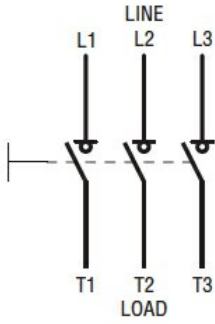
## Certifications and compliance

Compliance

| |
| --- |
| CSA C22.2 n°60947-4-1 |
| IEC/EN 60947-1 |
| IEC/EN 60947-3 |
| UL60947-4-1 |

Certifications

| |
| --- |
| CCC |
| CSA C22.2 n°60947-4-1 |
| cULus according to UL60947-4-1 |
| EAC |
| KEMA |

## ETIM classification

| ETIM 8.0 | EC000216 - Switch disconnector |
| --- | --- |

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