



### Contact characteristics

|                                                                            |        |        |
|----------------------------------------------------------------------------|--------|--------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A      | 40     |
| Rated insulation voltage $U_i$ IEC/EN                                      | V      | 1000   |
| Rated impulse withstand voltage $U_{imp}$                                  | kV     | 8      |
| Operating current $I_e$                                                    |        |        |
| 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   |
| Reactive power for control of capacitors at                                |        |        |
| Making capacity AC23A 400V                                                 | A      | 400    |
| Breaking capacity AC23A 400V                                               | A      | 320    |
| Mechanical life                                                            | cycles | 100000 |
| Electrical life AC21A                                                      | cycles | 100000 |

### Mechanical features

#### 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    | lbin | 16         |
|                                 | max    | lbin | 18         |

#### Conductor section

|  |               |                 |      |
|--|---------------|-----------------|------|
|  | IEC min       | mm <sup>2</sup> | 0.75 |
|  | IEC max       | mm <sup>2</sup> | 16   |
|  | AWG/kcmil min |                 | 18   |
|  | AWG/kcmil max | kcmil           | 6    |

|        |   |    |
|--------|---|----|
| Weight | g | 45 |
|--------|---|----|

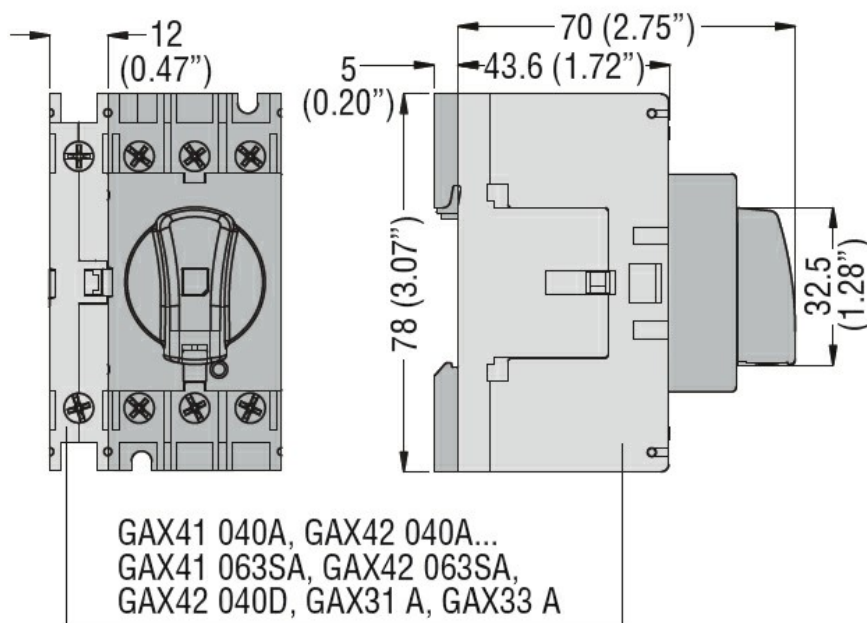
### UL technical data

|                       |        |     |
|-----------------------|--------|-----|
| Operating voltage max | V      | 600 |
| Short circuit rating  | kA rms | 5   |

### Ambient conditions

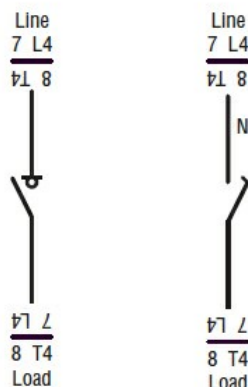
#### Operating temperature

|                                    |     |    |      |
|------------------------------------|-----|----|------|
|                                    | min | °C | -25  |
|                                    | max | °C | +55  |
| Storage temperature                |     |    |      |
|                                    | min | °C | -40  |
|                                    | max | °C | +70  |
| Max altitude                       |     | m  | 3000 |
| <b>Resistance &amp; Protection</b> |     |    |      |
| Frontal IP degree                  |     |    | IP20 |
| Pollution degree                   |     |    | 3    |
| <b>Dimensions</b>                  |     |    |      |



## Wiring diagrams

Fourth pole add on  
**GAX42...** **GAX41...**



## Certifications and compliance

### Compliance

CSA C22.2

IEC/EN 60335-2-89

IEC/EN 60947-1

IEC/EN 60947-3

UL508

UL98

Certifications

CCC

CSA C22.2 n. 60335-2-40:22 LZGH A2L

CSA C22.2 n°60947-4-1

CSA C22.2 No. 60335-2-89:21 LZGH A2L

cULus according to UL60947-4-1

EAC

UL 60335-2-40 LZGH A2L

UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC002498 -  
Accessories/spare  
parts for low-  
voltage switch  
technology