



### Contact characteristics

|                                                                            |      |         |                          |
|----------------------------------------------------------------------------|------|---------|--------------------------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ |      | A       | 125                      |
| Operating current $I_e$                                                    |      |         |                          |
| AC21A                                                                      | 400V | A       | 30000                    |
|                                                                            | 500V | A       | 30000                    |
|                                                                            | 690V | A       | 30000                    |
| AC22A                                                                      | 400V | A       | 30000                    |
|                                                                            | 500V | A       | 30000                    |
|                                                                            | 690V | A       | 30000                    |
| AC23A                                                                      | 400V | A       | 30000                    |
|                                                                            | 500V | A       | 30000                    |
|                                                                            | 690V | A       | 30000                    |
| Power dissipation per pole max                                             |      | W       | 6.3                      |
| Rated operational power AC23A                                              |      |         |                          |
|                                                                            | 400V | kW      | 30000                    |
|                                                                            | 690V | kW      | 30000                    |
| Reactive power for control of capacitors at                                |      |         |                          |
| Rated short time current (1s) $I_{cw}$ (rms)                               |      | kA      | 2.5                      |
| Conditional short-circuit current (rms)                                    |      | kA      | 30000                    |
| Short-circuit protection with fuse                                         |      | Class/A | 30000                    |
| Making capacity AC23A 400V                                                 |      | A       | 1250                     |
| Breaking capacity AC23A 400V                                               |      | A       | 1000                     |
| Mechanical life                                                            |      | cycles  | Screw / DIN rail<br>35mm |
| Electrical life AC21A                                                      |      | cycles  | 30000                    |

### Mechanical features

|                                 |           |      |                          |
|---------------------------------|-----------|------|--------------------------|
| Operating position              |           |      |                          |
|                                 | normal    |      | 54                       |
|                                 | allowable |      | 54                       |
| Fixing                          |           |      | Screw / DIN rail<br>35mm |
| Terminals                       |           |      |                          |
|                                 | type      |      | Pillar                   |
|                                 | width     | mm   | 12.4                     |
|                                 | height    | mm   | 10.4                     |
|                                 | screw     |      | M8                       |
|                                 | tool      |      | Metric Allen key 4       |
| Tightening torque for terminals |           |      |                          |
|                                 | min       | Nm   | 5                        |
|                                 | max       | Nm   | 6                        |
|                                 | min       | lbin | 45                       |
|                                 | max       | lbin | 54                       |

Conductor section

|               |                 |    |
|---------------|-----------------|----|
| IEC min       | mm <sup>2</sup> | 4  |
| IEC max       | mm <sup>2</sup> | 70 |
| AWG/kcmil min |                 | 12 |
| AWG/kcmil max | kcmil           | 1  |

UL technical data

|                                               |         |      |                           |
|-----------------------------------------------|---------|------|---------------------------|
| UL Standard                                   |         |      | UL98                      |
| General purpose current rating                | A       |      | 100                       |
| Operating voltage max                         | V       |      | 600                       |
| Horsepower/FLA current three phase motor      | 240V    | HP/A | 30/80                     |
|                                               | 480V    | HP/A | 60/77                     |
|                                               | 600V    | HP/A | 60/62                     |
|                                               |         |      |                           |
| Short circuit rating                          | kA rms  |      | 50 (600V) / 100 (480V)    |
| Short circuit rating with fuse                | Class/A |      | J/100A / CC-J-T/max. 200A |
| Minimum enclosure dimensions at rated current | mm      | mm   | 150x140x110               |
|                                               | in      | in   | 5.9 x 5.5 x 4.3           |

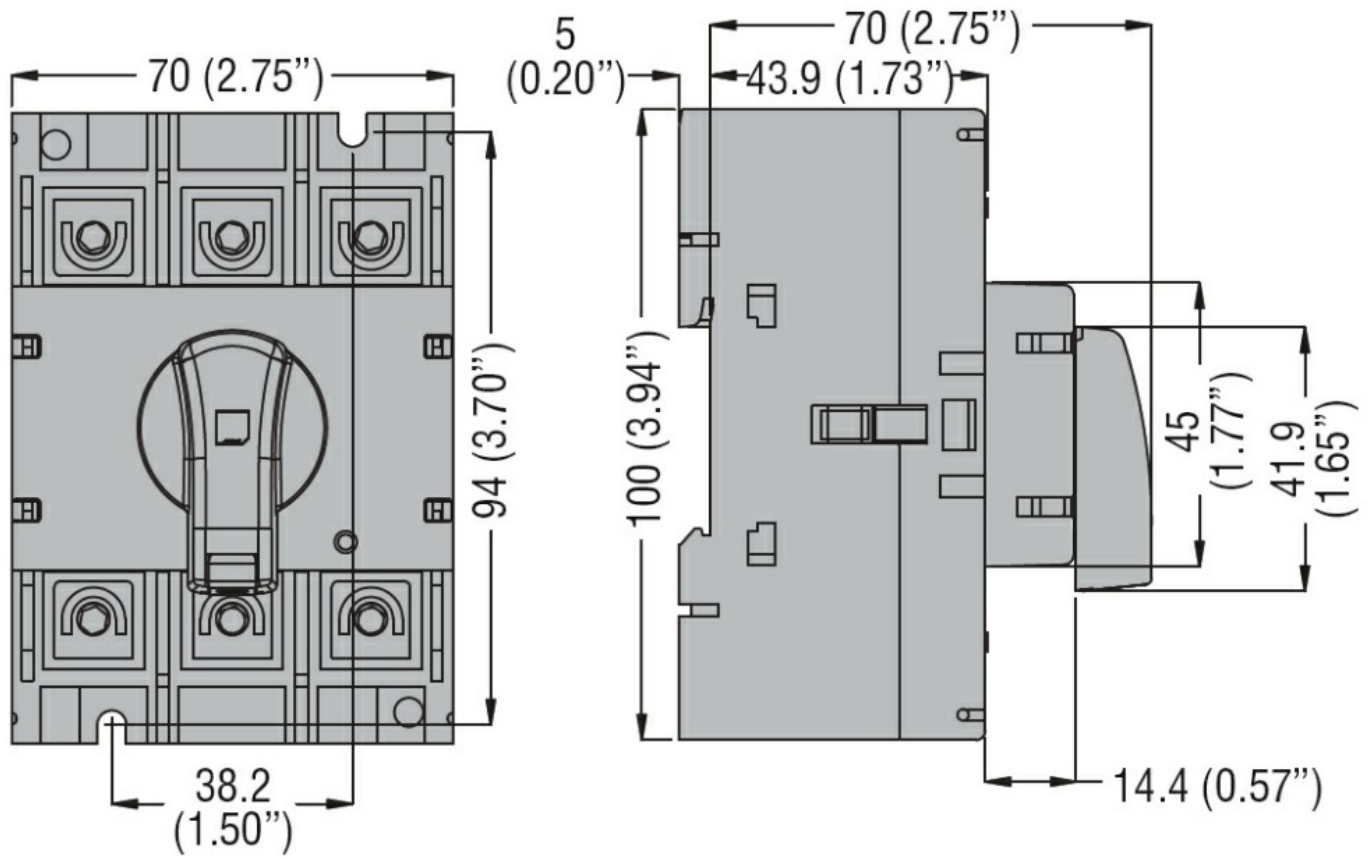
Ambient conditions

|                       |            |          |          |
|-----------------------|------------|----------|----------|
| Operating temperature | min<br>max | °C<br>°C | 54<br>54 |
| Storage temperature   | min<br>max | °C<br>°C | 54<br>54 |
| Max altitude          |            | m        | 54       |

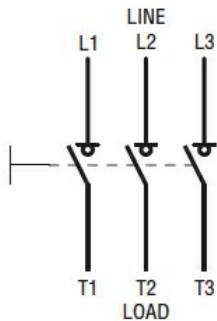
Resistance & Protection

|                   |                          |
|-------------------|--------------------------|
| Frontal IP degree | IP20                     |
| Pollution degree  | Screw / DIN rail<br>35mm |

Dimensions



#### Wiring diagrams



#### Certifications and compliance

##### Compliance

CSA C22.2 n°4  
IEC/EN 60335-2-89  
IEC/EN 60947-1  
IEC/EN 60947-3  
UL98

##### Certifications

CCC  
CSA C22.2 n. 60335-2-40:22 LZGH A2L  
CSA C22.2 n°4  
CSA C22.2 No. 60335-2-89:21 LZGH A2L  
cULus according to UL98  
EAC  
UL 60335-2-40 LZGH A2L  
UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC000216 -  
Switch  
disconnecter