



### Contact characteristics

|                                                                            |         |        |
|----------------------------------------------------------------------------|---------|--------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A       | 250    |
| Rated insulation voltage $U_i$ IEC/EN                                      | V       | 1000   |
| Rated impulse withstand voltage $U_{imp}$                                  | kV      | 12     |
| Operating current $I_e$                                                    |         |        |
| AC-31B                                                                     |         |        |
|                                                                            | 400V    | A 250  |
|                                                                            | 500V    | A 250  |
|                                                                            | 690V    | A 250  |
| AC-32B                                                                     |         |        |
|                                                                            | 400V    | A 250  |
|                                                                            | 500V    | A 250  |
|                                                                            | 690V    | A 250  |
| AC-33B                                                                     |         |        |
|                                                                            | 400V    | A 250  |
|                                                                            | 500V    | A 250  |
|                                                                            | 690V    | A 250  |
| Power dissipation per pole max                                             | W       | 6.5    |
| Rated operational power AC23A                                              |         |        |
|                                                                            | 400V    | kW 140 |
|                                                                            | 690V    | kW 250 |
| Reactive power for control of capacitors at                                |         |        |
| Rated short time current (1s) $I_{cw}$ (rms)                               | kA      | 6      |
| Rated short time current (0.3s) $I_{cw}$ (rms)                             | kA      | 12     |
| Conditional short-circuit current (rms)                                    | kA      | 100    |
| Short-circuit protection with fuse                                         | Class/A | gG/250 |
| Making capacity AC23A 400V                                                 | A       | 2500   |
| Breaking capacity AC23A 400V                                               | A       | 2000   |
| Mechanical life                                                            | cycles  | 20000  |

### Mechanical features

|                                 |                     |                      |
|---------------------------------|---------------------|----------------------|
| Operating position              | normal<br>allowable | Vertical plan<br>Any |
| Fixing                          |                     | Screw                |
| Terminals                       | type                | M8 x 20              |
| Tightening torque for terminals |                     |                      |
|                                 | min                 | Nm 15                |
|                                 | max                 | Nm 22                |
|                                 | min                 | lbin 132             |
|                                 | max                 | lbin 194             |
| Conductor section               |                     |                      |
|                                 | IEC min             | mm <sup>2</sup> 70   |
|                                 | IEC max             | mm <sup>2</sup> 185  |
|                                 | AWG/kcmil min       | 00                   |

AWG/kcmil max      kcmil      400

#### Ambient conditions

Operating temperature

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

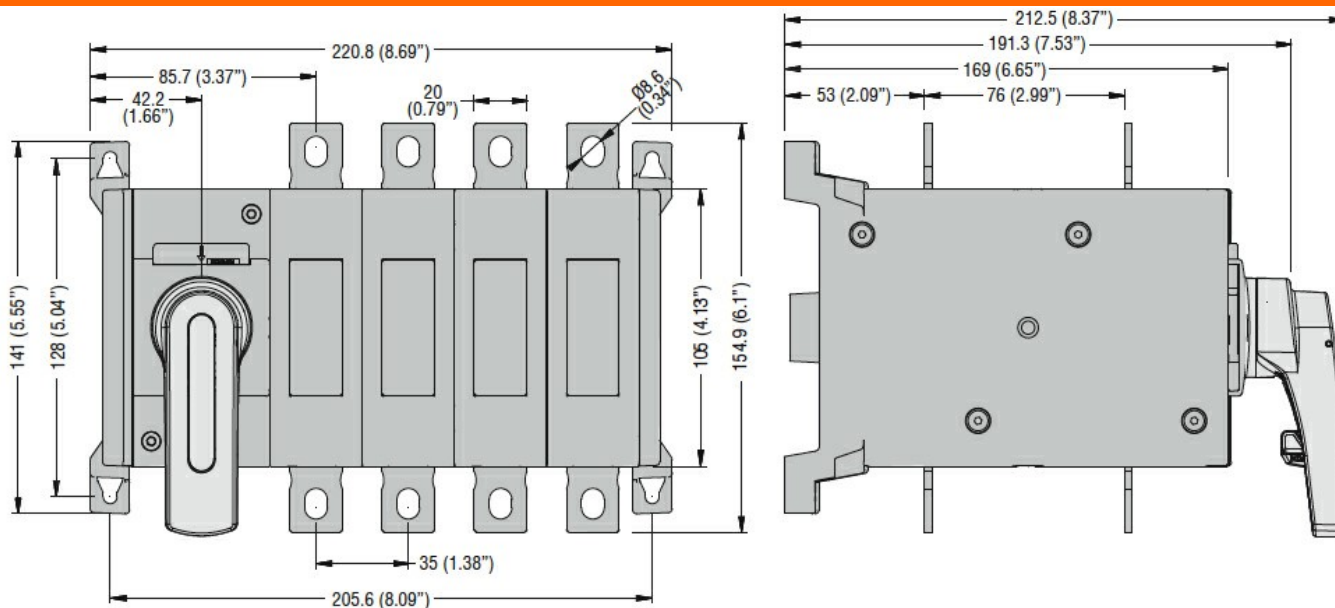
Storage temperature

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

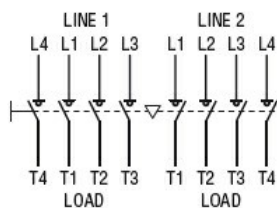
Max altitude

|   |      |
|---|------|
| m | 3000 |
|---|------|

#### Dimensions



#### Wiring diagrams



#### Certifications and compliance

Compliance

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

#### ETIM classification

ETIM 8.0

EC000216 -  
Switch  
disconnecter