



#### Contact characteristics

|                                                                            |         |       |
|----------------------------------------------------------------------------|---------|-------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A       | 80    |
| Rated insulation voltage $U_i$ IEC/EN                                      | V       | 1000  |
| Rated impulse withstand voltage $U_{imp}$                                  | kV      | 8     |
| Operating current $I_e$                                                    |         |       |
| AC21A                                                                      |         |       |
|                                                                            | 400V    | A 80  |
|                                                                            | 500V    | A 80  |
|                                                                            | 690V    | A 80  |
| AC22A                                                                      |         |       |
|                                                                            | 400V    | A 80  |
|                                                                            | 500V    | A 80  |
|                                                                            | 690V    | A 80  |
| AC23A                                                                      |         |       |
|                                                                            | 400V    | A 80  |
|                                                                            | 500V    | A 63  |
|                                                                            | 690V    | A 47  |
| Power dissipation per pole max                                             | W       | 2.6   |
| Rated operational power AC23A                                              |         |       |
|                                                                            | 400V    | kW 45 |
|                                                                            | 690V    | kW 45 |
| Reactive power for control of capacitors at                                |         |       |
| Conditional short-circuit current (rms)                                    | kA      | 50    |
| Short-circuit protection with fuse                                         | Class/A | gG80  |
| Making capacity AC23A 400V                                                 | A       | 800   |
| Breaking capacity AC23A 400V                                               | A       | 640   |
| Mechanical life                                                            | cycles  | 30000 |
| Electrical life AC21A                                                      | cycles  | 30000 |

#### Mechanical features

|                                 |                                    |                                        |
|---------------------------------|------------------------------------|----------------------------------------|
| Operating position              | normal allowable                   | Vertical plan Any                      |
| Terminals                       | type width mm height mm screw tool | Pillar 12.4 10.4 M8 Metric Allen key 4 |
| Tightening torque for terminals | min max min max                    | Nm Nm lbin lbin 5 6 45 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  |

#### 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

IP65

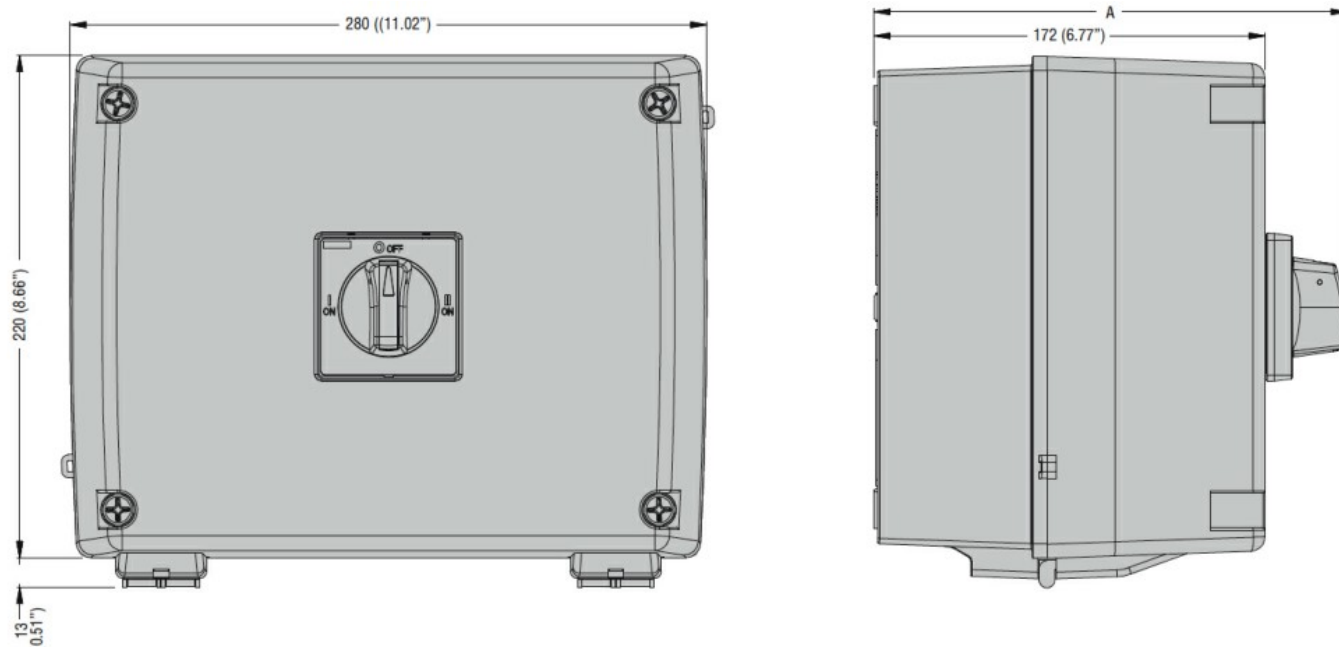
##### IP degree of protection

IP65

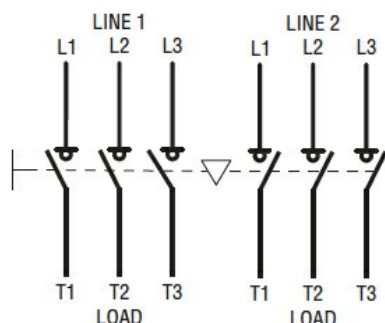
##### Pollution degree

3

#### Dimensions



#### Wiring diagrams



#### Certifications and compliance

##### Compliance

IEC/EN 60947-1

IEC/EN 60947-3

UL98 e CSA C22.2 n°4

##### Certifications

CSA C22.2 n°4

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cULus according to UL98

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EAC

**ETIM classification**

ETIM 8.0

EC000216 -  
Switch  
disconnecter