



#### Contact characteristics

|                                                                            |         |        |
|----------------------------------------------------------------------------|---------|--------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A       | 63     |
| Rated insulation voltage $U_i$ IEC/EN                                      | V       | 1000   |
| Rated impulse withstand voltage $U_{imp}$                                  | kV      | 8      |
| Operating current $I_e$                                                    |         |        |
| AC21A                                                                      |         |        |
|                                                                            | 400V    | A 63   |
|                                                                            | 500V    | A 63   |
|                                                                            | 690V    | A 63   |
| AC22A                                                                      |         |        |
|                                                                            | 400V    | A 63   |
|                                                                            | 500V    | A 45   |
|                                                                            | 690V    | A 45   |
| AC23A                                                                      |         |        |
|                                                                            | 400V    | A 45   |
|                                                                            | 500V    | A 25   |
|                                                                            | 690V    | A 25   |
| Power dissipation per pole max                                             | W       | 2.9    |
| Rated operational power AC23A                                              |         |        |
|                                                                            | 400V    | kW 22  |
|                                                                            | 690V    | kW 22  |
| Reactive power for control of capacitors at                                |         |        |
| Conditional short-circuit current (rms)                                    | kA      | 10     |
| Short-circuit protection with fuse                                         | Class/A | gG63   |
| Making capacity AC23A 400V                                                 | A       | 450    |
| Breaking capacity AC23A 400V                                               | A       | 360    |
| Mechanical life                                                            | cycles  | 100000 |
| Electrical life AC21A                                                      | cycles  | 15000  |

#### Mechanical features

|                                 |                                          |                                          |
|---------------------------------|------------------------------------------|------------------------------------------|
| Operating position              | normal<br>allowable                      | Vertical plan<br>Any                     |
| Fixing                          |                                          | Screw / DIN rail<br>35mm                 |
| Terminals                       | type<br>width<br>height<br>screw<br>tool | Pillar<br>5.6<br>6.5<br>M4<br>Phillips 2 |
| Tightening torque for terminals | min<br>max<br>min<br>max                 | Nm 1.8<br>Nm 2<br>lbin 16<br>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 350

Ambient conditions

Operating temperature

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

Storage temperature

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

Max altitude

m 3000

Resistance & Protection

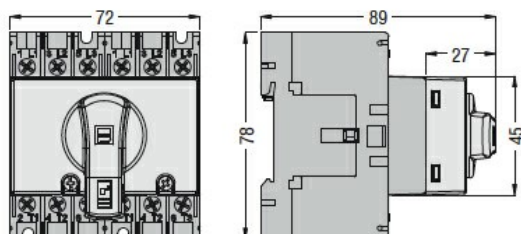
Frontal IP degree

IP20

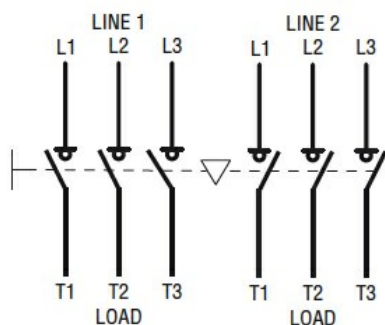
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60335-2-89

Certifications

CSA C22.2 n. 60335-2-40:22 LZGH A2L  
CSA C22.2 No. 60335-2-89:21 LZGH A2L  
UL 60335-2-40 LZGH A2L  
UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC000216 -  
Switch  
disconnecter