



### 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 allowable | Vertical plan Any     |
| Fixing                          |                  | Screw / DIN rail 35mm |
| 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 1250

## Ambient conditions

### Operating temperature

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

### Storage temperature

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

## Max altitude

m 3000

## Resistance & Protection

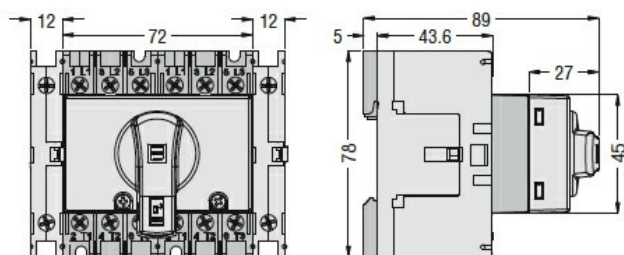
### Frontal IP degree

IP20

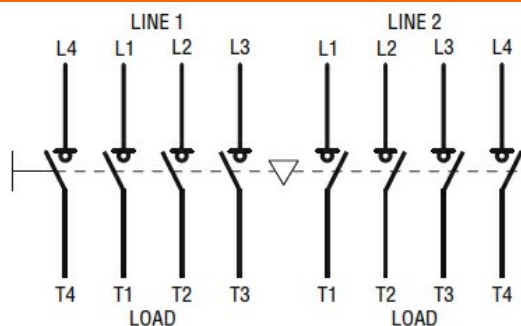
### Pollution degree

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  
disconnector