



#### Contact characteristics

|                                                                            |        |       |
|----------------------------------------------------------------------------|--------|-------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A      | 40    |
| Rated insulation voltage $U_i$ IEC/EN                                      | V      | 1500  |
| Rated impulse withstand voltage $U_{imp}$                                  | kV     | 8     |
| Operating current $I_e$                                                    |        |       |
| DC21A                                                                      |        |       |
|                                                                            | 600V   | A 40  |
|                                                                            | 800V   | A 40  |
|                                                                            | 1000V  | A 40  |
|                                                                            | 1200V  | A 32  |
|                                                                            | 1500V  | A 25  |
| DC21B                                                                      |        |       |
|                                                                            | 600V   | A 40  |
|                                                                            | 800V   | A 40  |
|                                                                            | 1000V  | A 40  |
|                                                                            | 1200V  | A 32  |
|                                                                            | 1500V  | A 25  |
| DCPV1                                                                      |        |       |
|                                                                            | 600V   | A 40  |
|                                                                            | 800V   | A 40  |
|                                                                            | 1200V  | A 32  |
|                                                                            | 1500V  | A 25  |
| Power dissipation per pole max                                             | W      | 1.9   |
| Reactive power for control of capacitors at                                |        |       |
| Rated short time current (1s) $I_{cw}$ (rms)                               | kA     | 0.5   |
| Mechanical life                                                            | cycles | 10000 |

#### Mechanical features

|                                 |                     |                      |
|---------------------------------|---------------------|----------------------|
| Operating position              | normal<br>allowable | Vertical plan<br>Any |
| Terminals                       | type                | Screw with<br>washer |
|                                 | width               | mm 5.6               |
|                                 | height              | mm 6.5               |
|                                 | screw               | M4                   |
|                                 | tool                | Phillips 1           |
| Tightening torque for terminals | min                 | Nm 1.2               |
|                                 | max                 | Nm 1.6               |
|                                 | min                 | lbin 10              |
|                                 | max                 | lbin 14              |
| Conductor section               | IEC min             | mm <sup>2</sup> 1    |
|                                 | IEC max             | mm <sup>2</sup> 10   |
|                                 | AWG/kcmil min       | 18                   |

SWITCH DISCONNECTOR, FOR PHOTOVOLTAIC APPLICATIONS, IEC/EN IP65 ENCLOSED, WITH BLACK HANDLE, 40A 1000V. ENCLOSURE DIMENSIONS: 175X210X99MM/6.9X8.3X3.9"

AWG/kcmil max kcmil 8

**Ambient conditions**

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

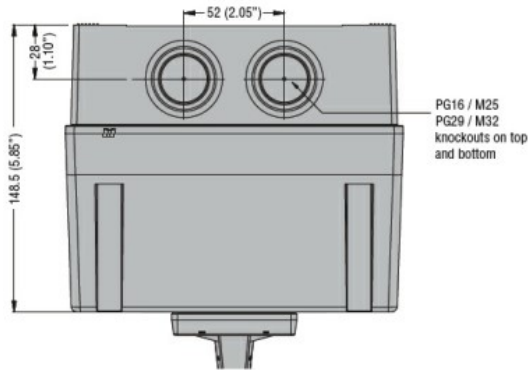
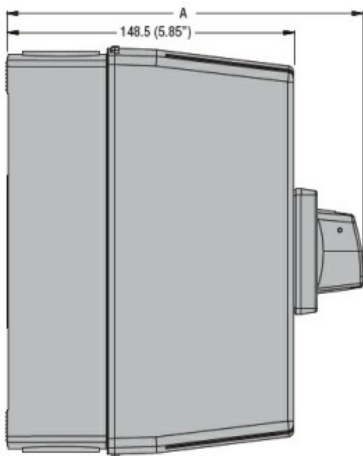
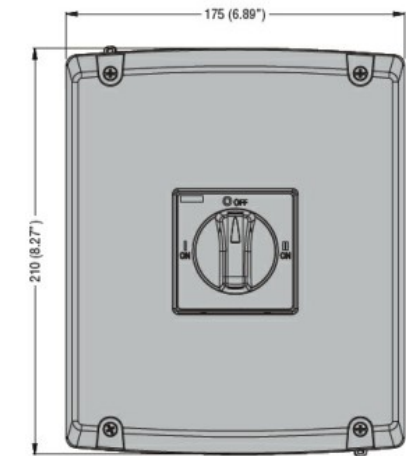
**Storage temperature**

|              |     |    |      |
|--------------|-----|----|------|
|              | min | °C | -40  |
|              | max | °C | +70  |
| Max altitude | m   |    | 3000 |

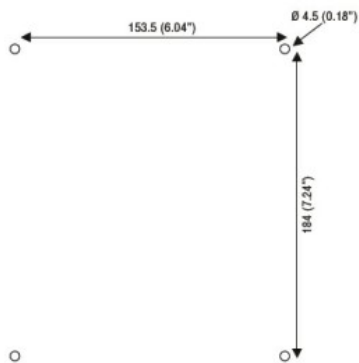
**Resistance & Protection**

|                         |      |
|-------------------------|------|
| Frontal IP degree       | IP65 |
| IP degree of protection | IP65 |

**Dimensions**

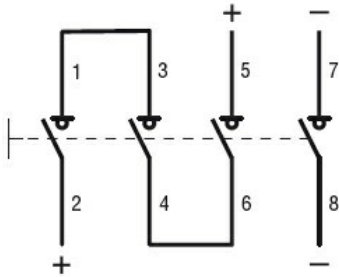


**Drilling**



| Type           | A             |
|----------------|---------------|
| GAZ032 D...    | 171.5 (6.75") |
| GAZ040 D...    | 171.5 (6.75") |
| GAZ025 ET...   | 183.5 (7.22") |
| GAZ063 SAET... | 183.5 (7.22") |

**Wiring diagrams**



**Certifications and compliance**

|            |                |
|------------|----------------|
| Compliance | IEC/EN 60947-1 |
|            | IEC/EN 60947-3 |

|                |     |
|----------------|-----|
| Certifications | EAC |
|----------------|-----|

ETIM classification

ETIM 8.0

EC000216 -  
Switch  
disconnecter