



#### Contact characteristics

|                                                                            |         |       |
|----------------------------------------------------------------------------|---------|-------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A       | 160   |
| Rated insulation voltage $U_i$ IEC/EN                                      | V       | 1000  |
| Rated impulse withstand voltage $U_{imp}$                                  | kV      | 8     |
| Operating current $I_e$                                                    |         |       |
| AC21A                                                                      |         |       |
|                                                                            | 400V    | A 160 |
|                                                                            | 500V    | A 160 |
|                                                                            | 690V    | A 160 |
| AC22A                                                                      |         |       |
|                                                                            | 400V    | A 160 |
|                                                                            | 500V    | A 125 |
|                                                                            | 690V    | A 125 |
| AC23A                                                                      |         |       |
|                                                                            | 400V    | A 125 |
|                                                                            | 500V    | A 100 |
|                                                                            | 690V    | A 47  |
| Power dissipation per pole max                                             | W       | 12    |
| Rated operational power AC23A                                              |         |       |
|                                                                            | 400V    | kW 55 |
|                                                                            | 690V    | kW 45 |
| Reactive power for control of capacitors at                                |         |       |
| Conditional short-circuit current (rms)                                    | kA      | 50    |
| Short-circuit protection with fuse                                         | Class/A | gG160 |
| Making capacity AC23A 400V                                                 | A       | 1250  |
| Breaking capacity AC23A 400V                                               | A       | 1000  |
| Mechanical life                                                            | cycles  | 30000 |
| Electrical life AC21A                                                      | cycles  | 1500  |

#### Mechanical features

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

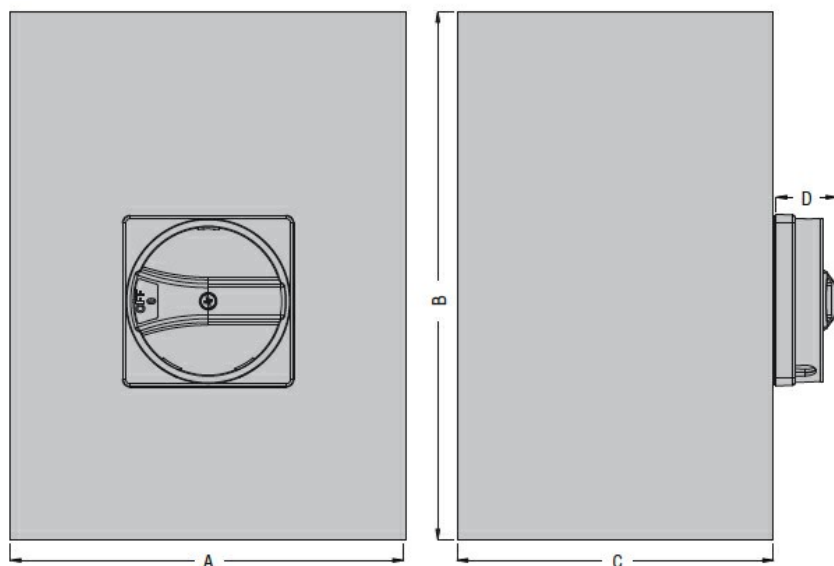
Frontal IP degree

IP65

Pollution degree

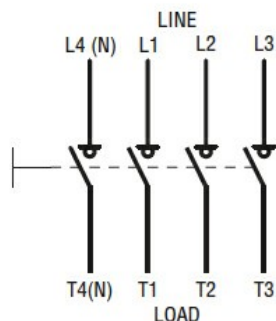
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#### Dimensions



| Type                 | A           | B            | C           | D          |
|----------------------|-------------|--------------|-------------|------------|
| GAZM125...GAZM160... | 200 (7.87") | 300 (11.81") | 120 (4.72") | 23 (0.90") |

#### Wiring diagrams



#### Certifications and compliance

Compliance

IEC/EN 60947-1

IEC/EN 60947-3

#### ETIM classification

IEC/EN TYPE IP65 METAL ENCLOSURE SWITCH DISCONNECTOR, FOUR-POLE. WITH  
ROTATING RED/YELLOW HANDLE, 160A. ENCLOSURE DIMENSIONS:  
200X300X120MM/7.9X11.8X4.7"

ETIM 8.0

EC000216 -  
Switch  
disconnector