



Product designation

Product type designation

Number of poles

Operating voltage type

Enclosed switch  
disconnecter  
GAZM  
Nr. 3  
AC

### Contact characteristics

|                                                           |    |      |
|-----------------------------------------------------------|----|------|
| IEC Conventional free air thermal current I <sub>th</sub> | A  | 160  |
| Rated insulation voltage U <sub>i</sub> IEC/EN            | V  | 1000 |
| Rated impulse withstand voltage U <sub>imp</sub>          | kV | 8    |

Operating current I<sub>e</sub>

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 |

|                                         |    |    |
|-----------------------------------------|----|----|
| 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  
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 | Ibin | 45 |
|  | max | Ibin | 54 |

Conductor section

|               |                 |    |
|---------------|-----------------|----|
| IEC min       | mm <sup>2</sup> | 4  |
| IEC max       | mm <sup>2</sup> | 70 |
| AWG/kcmil min |                 | 12 |
| AWG/kcmil max |                 | 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

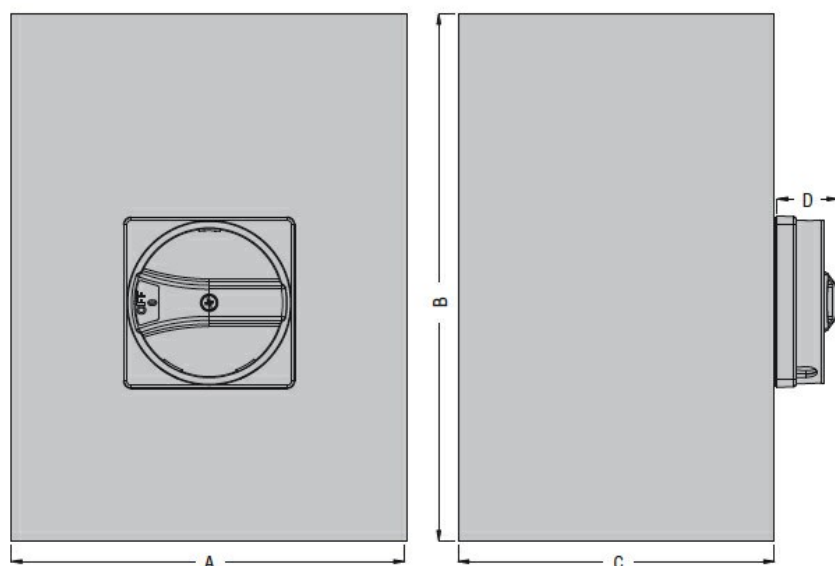
Frontal IP degree

IP65

Pollution degree

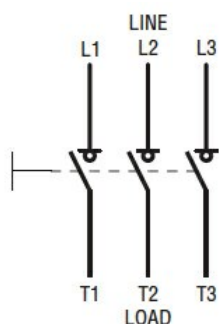
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Dimensions



| 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

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IEC/EN 60947-3

ETIM classification

ETIM 8.0

EC000216 -  
Switch  
disconnecter