



Moulded case  
circuit breakers  
P5ME

Product designation

Product type designation

### Electrical features

|                                                |     |            |
|------------------------------------------------|-----|------------|
| Number of poles                                | Nr. | 3          |
| Rated current ( $\leq 40^{\circ}\text{C}$ )    | A   | 250        |
| Electronic overload trip adjustment range      | A   | 80...250   |
| Electronic short circuit trip adjustment range | A   | 120...2750 |
| AC rated operation voltage $U_e$               | V   | 600        |
| Rated insulation voltage $U_i$                 | V   | 750        |
| Rated impulse withstand voltage $U_{imp}$      | kV  | 8          |
| Heat dissipation per pole (max)                | W   | 16         |

### UL technical data

|                                                |                      |    |     |
|------------------------------------------------|----------------------|----|-----|
| UL489 short circuit breaking capacity          | 240VAC 50/60Hz       | kA | 100 |
|                                                | 480VAC 50/60Hz       | kA | 65  |
|                                                | 600VAC 50/60Hz       | kA | 35  |
| IEC60947-2 Icu short circuit breaking capacity | 220...240VAC 50/60Hz | kA | 100 |
|                                                | 380...415VAC 50/60Hz | kA | 65  |
|                                                | 480...500VAC 50/60Hz | kA | 35  |

### Mechanical features

Terminals

|  |               |                           |
|--|---------------|---------------------------|
|  | screw<br>tool | M8 x 23<br>Allen key 3/8" |
|--|---------------|---------------------------|

Tightening torque for terminals

|  |     |      |       |
|--|-----|------|-------|
|  | max | Nm   | 44    |
|  | max | lbin | 389.4 |

Mounting position

|  |                     |                         |
|--|---------------------|-------------------------|
|  | normal<br>allowable | On vertical plan<br>Any |
|--|---------------------|-------------------------|

|        |  |       |
|--------|--|-------|
| Fixing |  | Screw |
|--------|--|-------|

|        |   |      |
|--------|---|------|
| Weight | g | 2040 |
|--------|---|------|

|                 |        |       |
|-----------------|--------|-------|
| Mechanical life | cycles | 25000 |
|-----------------|--------|-------|

|                 |        |       |
|-----------------|--------|-------|
| Electrical life | cycles | 10000 |
|-----------------|--------|-------|

|                        |    |            |
|------------------------|----|------------|
| Dimensions (W x H x D) | mm | 105x190x87 |
|------------------------|----|------------|

### Ambient conditions

Temperature

Operating temperature

|  |     |                    |     |
|--|-----|--------------------|-----|
|  | min | $^{\circ}\text{C}$ | -20 |
|  | max | $^{\circ}\text{C}$ | +70 |

Storage temperature

|  |     |                    |     |
|--|-----|--------------------|-----|
|  | min | $^{\circ}\text{C}$ | -40 |
|  | max | $^{\circ}\text{C}$ | +80 |

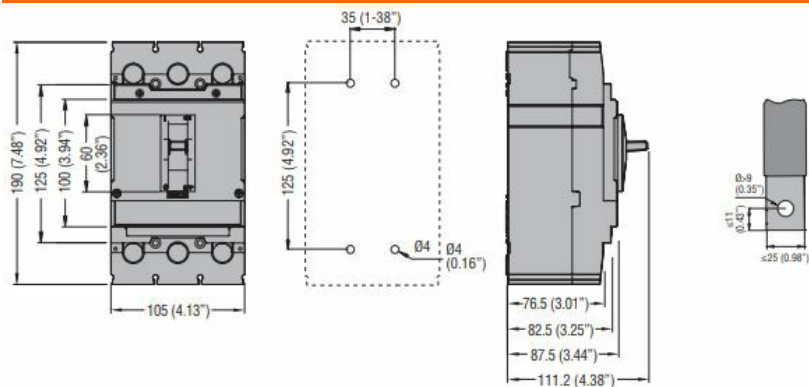
Current derating for temperature  $> 40^{\circ}\text{C}$

|      |    |     |
|------|----|-----|
| 50°C | °C | 234 |
| 60°C | °C | 220 |
| 70°C | °C | 205 |

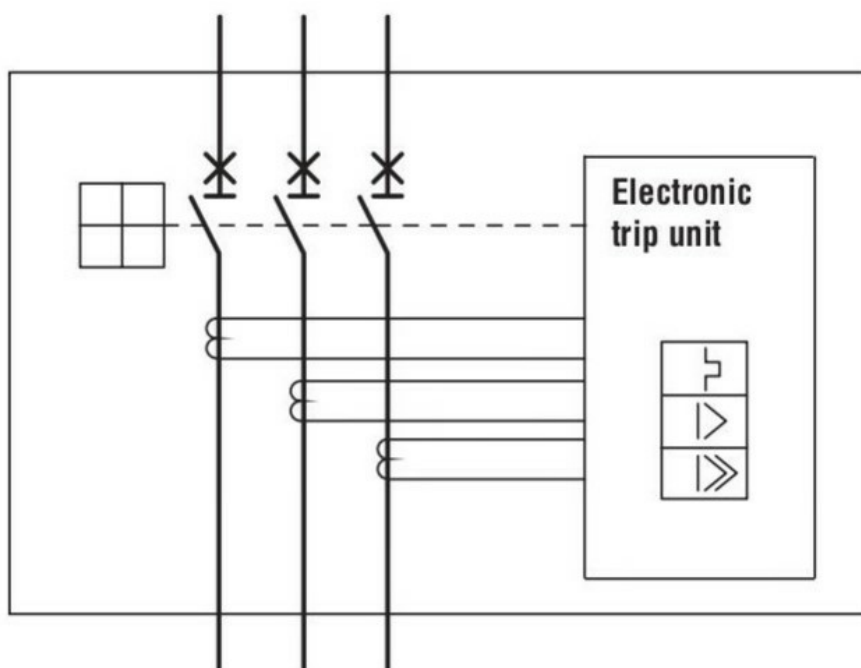
## Resistance & Protection

Frontal IP degree IP20

## Dimensions



## Wiring diagrams



## Certifications and compliance

Compliance

cULus

## ETIM classification

EC000066 - Power contactor, AC switching