



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 | 100 |
| Electronic overload trip adjustment range | A | 40...100 |
| Electronic short circuit trip adjustment range | A | 60...1000 |
| AC rated operation voltage U_e | V | 690 |
| Rated insulation voltage U_i | V | 1000 |
| Rated impulse withstand voltage U_{imp} | kV | 8 |
| Short circuit breaking capacity I_{cu} | | |
| | 220...240VAC 50/60Hz | kA 100 |
| | 380...415VAC 50/60Hz | kA 50 |
| | 440...460VAC 50/60Hz | kA 50 |
| | 480...500VAC 50/60Hz | kA 42 |
| | 525VAC 50/60Hz | kA 22 |
| | 660...690VAC 50/60Hz | kA 10 |
| Short circuit breaking capacity I_{cs} | | |
| | 220...240VAC 50/60Hz | kA 100 |
| | 380...415VAC 50/60Hz | kA 50 |
| | 440...460VAC 50/60Hz | kA 50 |
| | 480...500VAC 50/60Hz | kA 42 |
| | 525VAC 50/60Hz | kA 22 |
| | 660...690VAC 50/60Hz | kA 5 |
| Heat dissipation per pole (max) | W | 9.6 |

Mechanical features

Terminals

screw
tool
M8 x 20
Metric Allen key 6

Tightening torque for terminals

max Nm 14
max lbin 125

Mounting position

normal
allowable
On vertical plan
Any

Fixing

Screw

Weight

g 2000

Mechanical life

cycles 25000

Electrical life

cycles 10000

Dimensions (W x H x D)

mm 105x160x86

Ambient conditions

Temperature

Operating temperature

min °C -20

| | | | |
|---------------------|-----|----|-----|
| | max | °C | +70 |
| Storage temperature | min | °C | -40 |
| | max | °C | +80 |

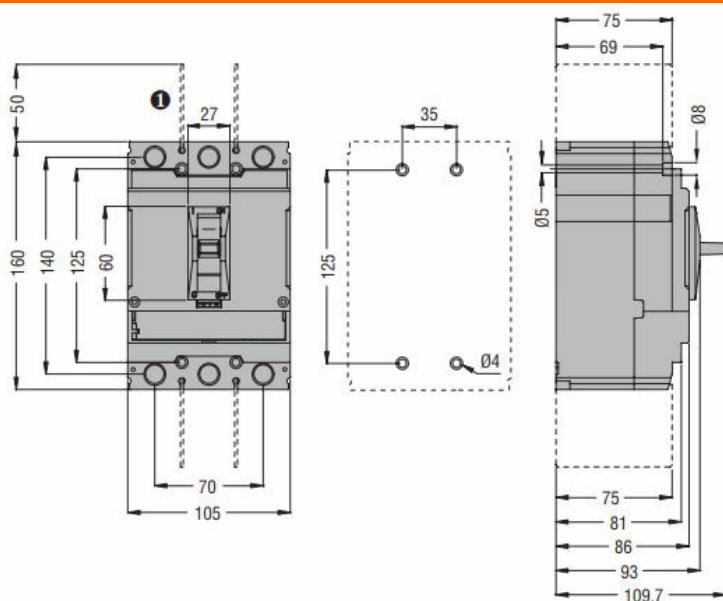
Current derating for temperature >40°C

| | | |
|------|----|----|
| 50°C | °C | 94 |
| 60°C | °C | 88 |
| 70°C | °C | 82 |

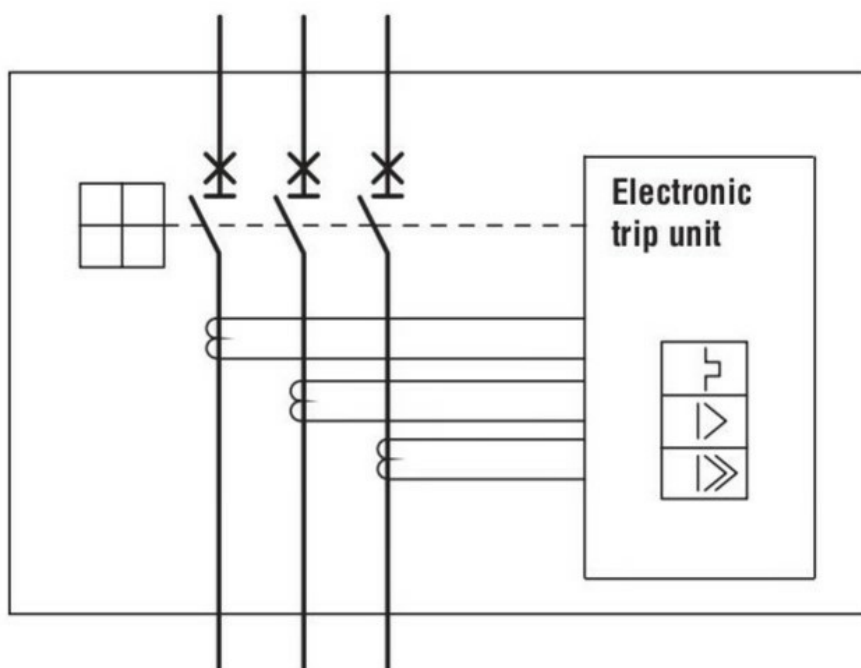
Resistance & Protection

Frontal IP degree IP20

Dimensions



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching