



Moulded case  
circuit breakers  
P5ME

Product designation

Product type designation

### Electrical features

Number of poles	Nr.	4
Rated current ( $\leq 40^{\circ}\text{C}$ )	A	250
Electronic overload trip adjustment range	A	100...250
Electronic short circuit trip adjustment range	A	150...2500
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	16

### 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 2600

Mechanical life

cycles 25000

Electrical life

cycles 10000

Dimensions (W x H x D)

mm 140x160x86

### Ambient conditions

Temperature

Operating temperature

min °C -20

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

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

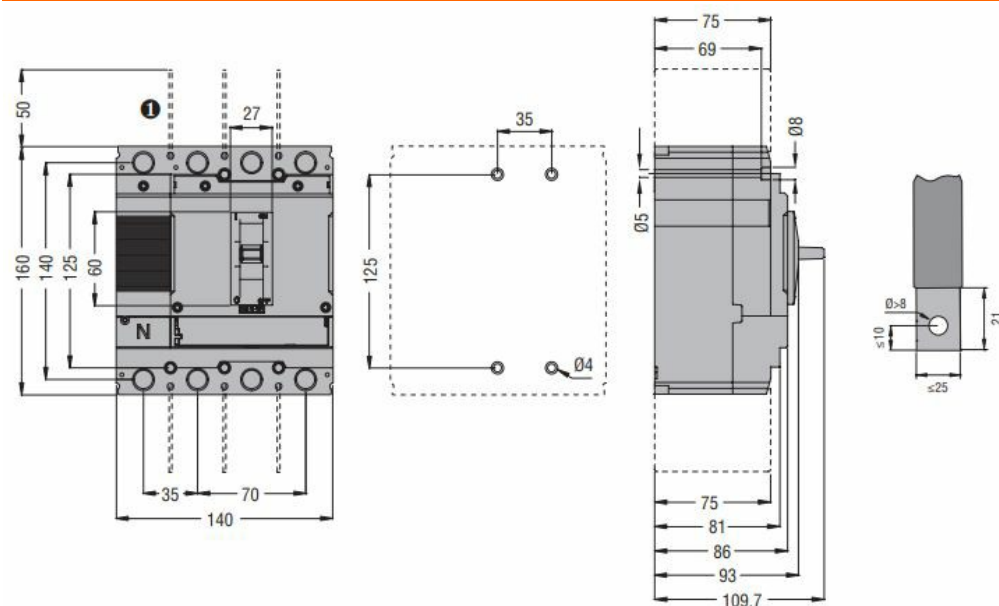
50°C	°C	234
60°C	°C	220
70°C	°C	205

## Resistance & Protection

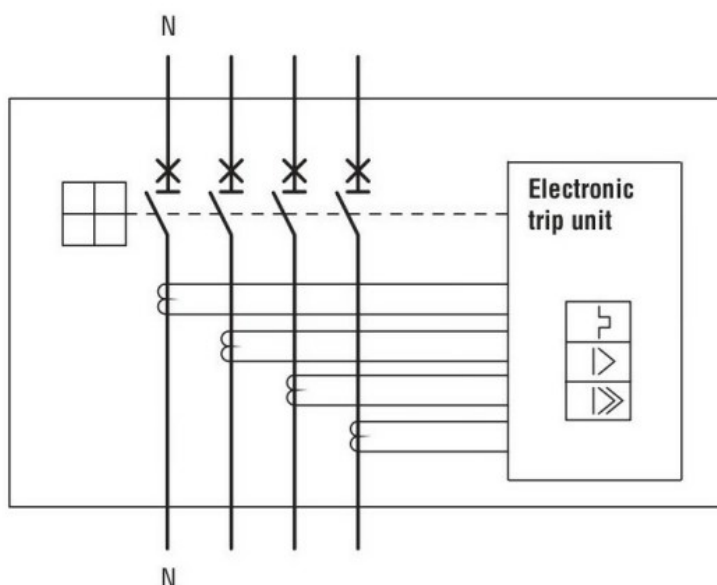
Frontal IP degree

IP20

## Dimensions



## Wiring diagrams



#### ETIM classification

EC000066 - Power contactor, AC switching