



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	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 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

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

Current derating for temperature >40°C

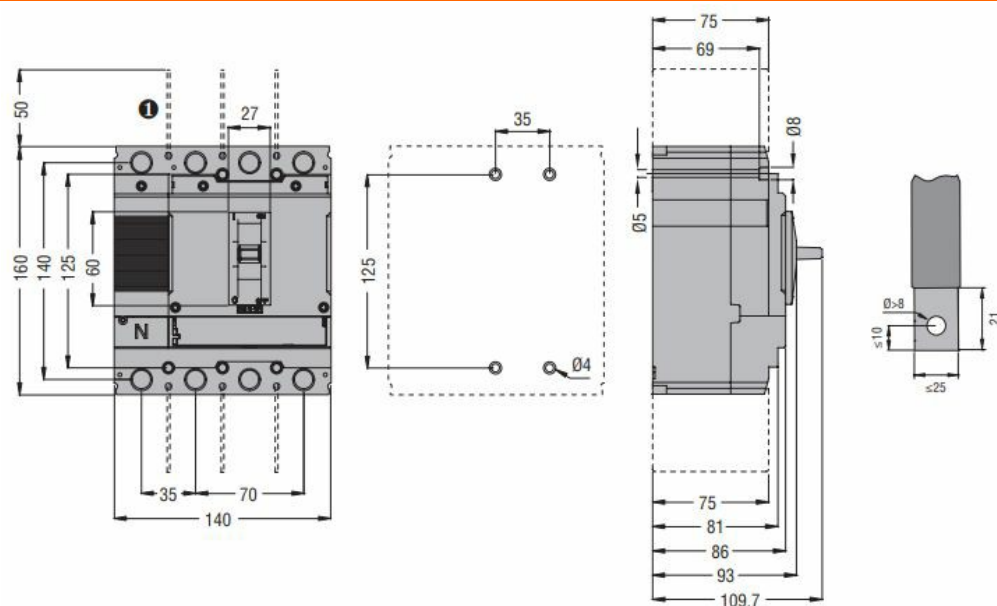
50°C	°C	94
60°C	°C	88
70°C	°C	82

Resistance & Protection

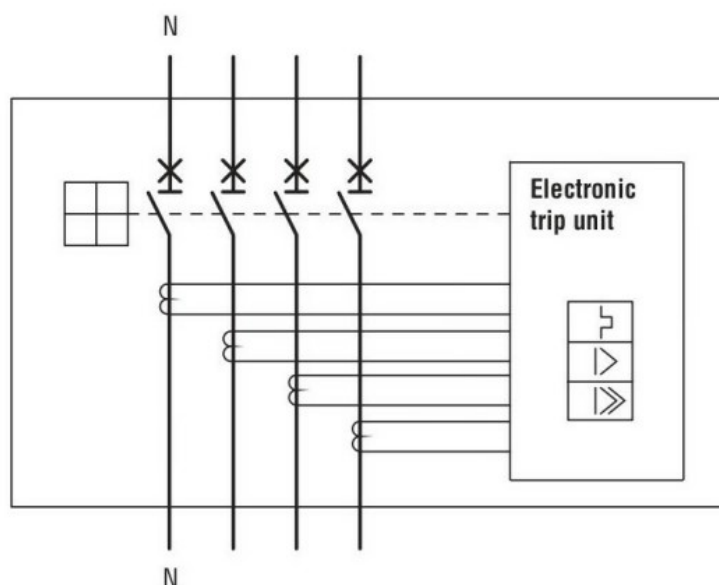
Frontal IP degree

IP20

Dimensions



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching