



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	160
Electronic overload trip adjustment range	A	64...160
Electronic short circuit trip adjustment range	A	96...1600
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 2000

Mechanical life

cycles 25000

Electrical life

cycles 10000

Dimensions (W x H x D)

mm 105x160x86

Ambient conditions

Temperature

Operating temperature

min $^{\circ}\text{C}$ -20

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

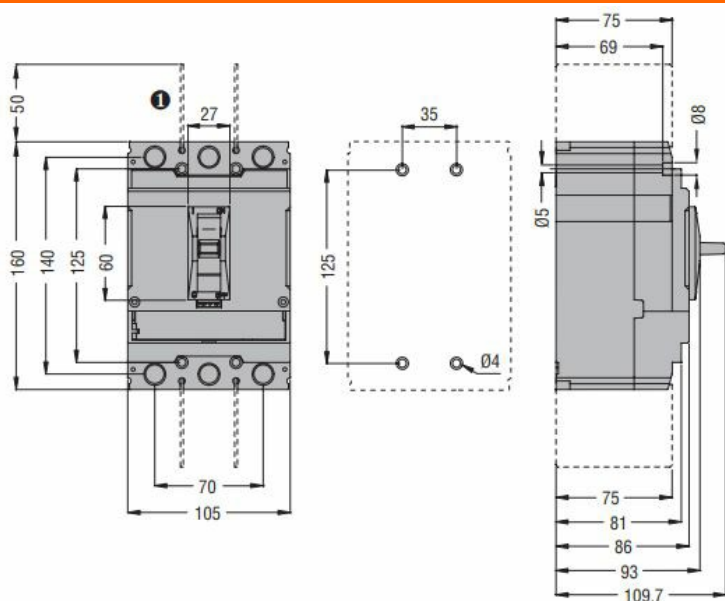
Current derating for temperature >40°C

50°C	°C	150
60°C	°C	141
70°C	°C	131

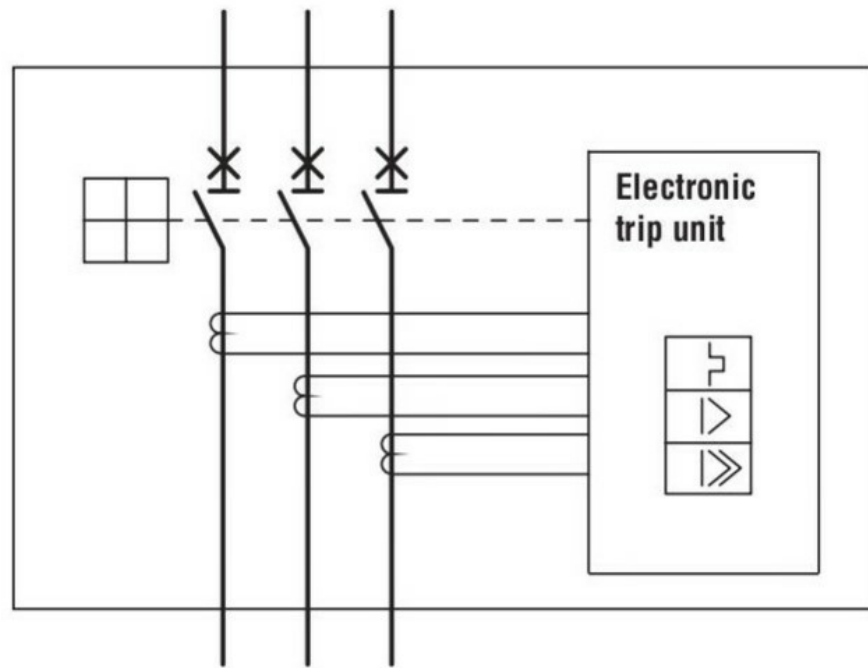
Resistance & Protection

Frontal IP degree IP20

Dimensions



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching