



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...1100
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	9.6

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
tool
1/4-20unc x 16
Phillips 2

Tightening torque for terminals

max Nm 15.1
max lbin 133.6

Mounting position

normal
allowable
On vertical plan
Any

Fixing

Screw

Weight

g 1790

Mechanical life

cycles 25000

Electrical life

cycles 10000

Dimensions (W x H x D)

mm 105x165x87

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 $>40^{\circ}\text{C}$

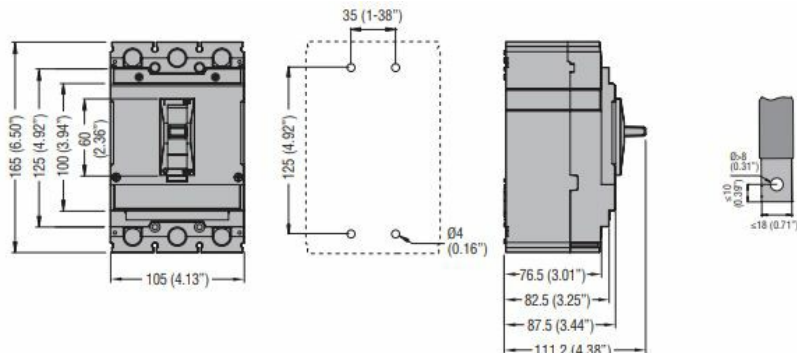
50°C	°C	94
60°C	°C	88
70°C	°C	82

Resistance & Protection

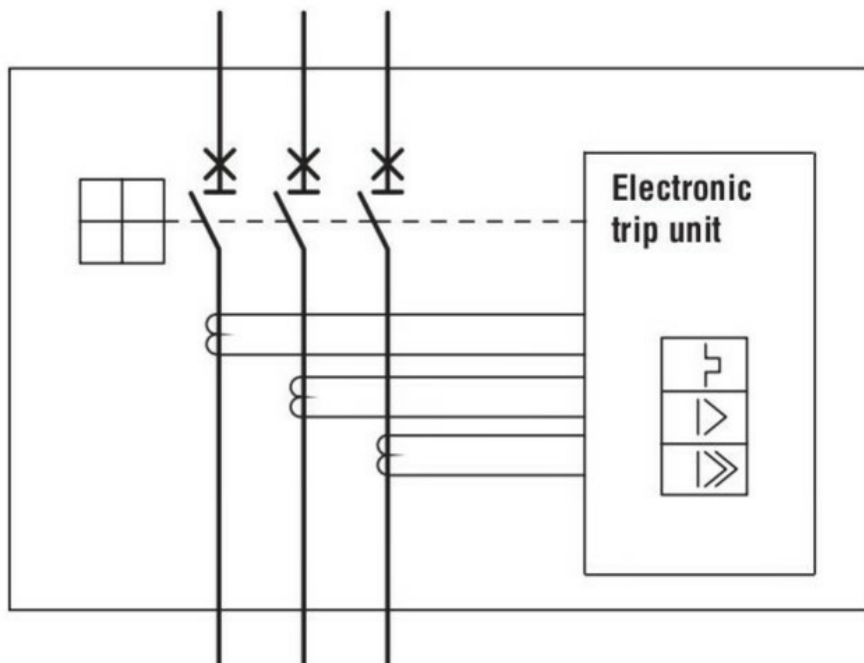
Frontal IP degree

IP20

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

cULus

ETIM classification

EC000066 - Power contactor, AC switching