



Product designation

Moulded case
circuit breakers
P5ME

Product type designation

Electrical features

Number of poles	Nr.	3
Rated current ($\leq 40^{\circ}\text{C}$)	A	600
Electronic overload trip adjustment range	A	225...600
Electronic short circuit trip adjustment range	A	338...6600
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	83

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
M10 x 30
Allen key 7/16"

Tightening torque for terminals

max Nm 40.5
max lbin 358.5

Mounting position

normal
allowable
On vertical plan
Any

Fixing

Screw

Weight

g 7160

Mechanical life

cycles 20000

Electrical life

cycles 6000

Dimensions (W x H x D)

mm 140x340x110

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

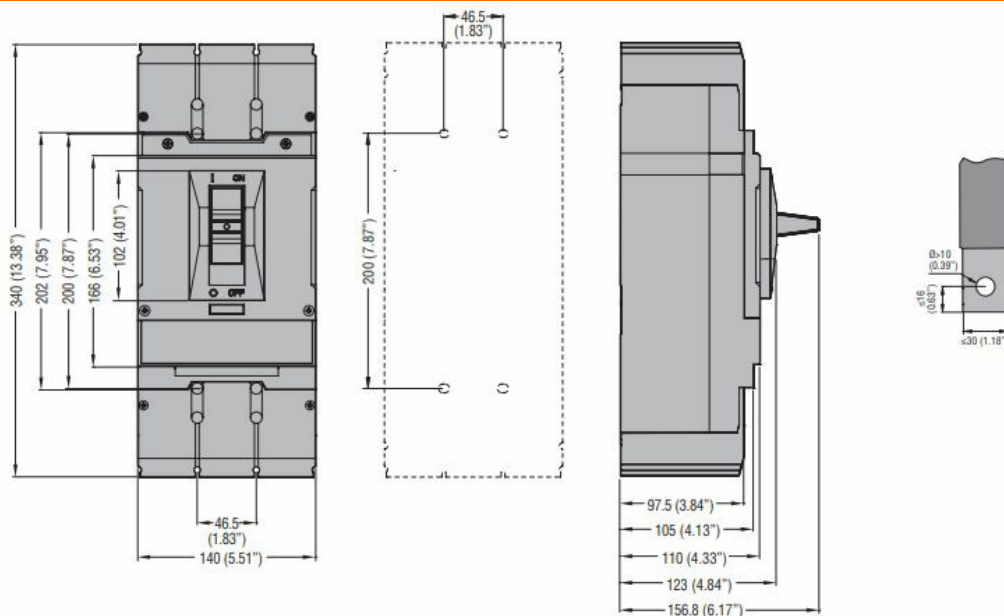
50°C	°C	591
60°C	°C	555
70°C	°C	517

Resistance & Protection

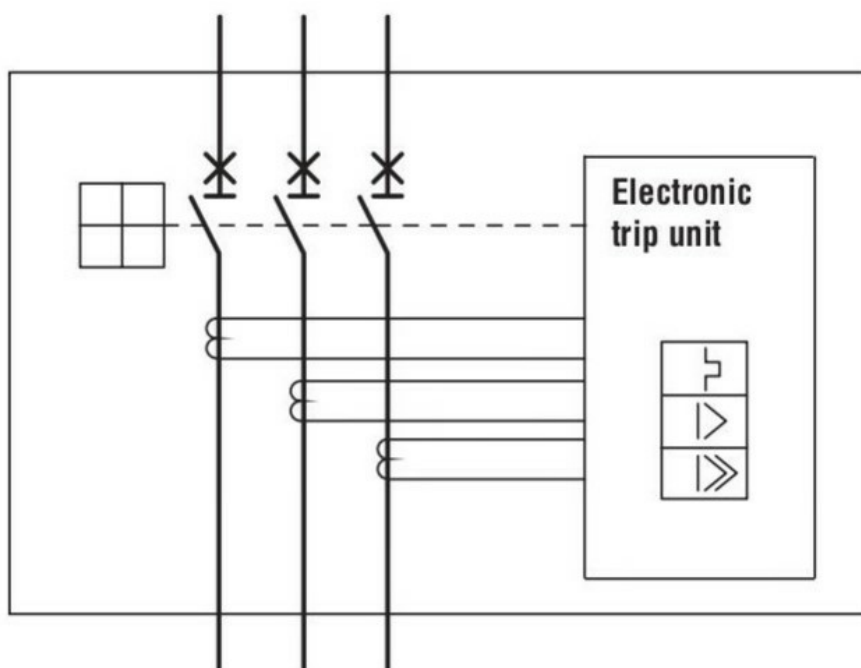
Frontal IP degree

IP20

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

cULus

ETIM classification

EC000066 - Power contactor, AC switching