



Product designation

Product type designation

Moulded case
circuit breakers
P5ME

Electrical features

Number of poles	Nr.	4
Rated current ($\leq 40^{\circ}\text{C}$)	A	800
Electronic overload trip adjustment range	A	320...800
Electronic short circuit trip adjustment range	A	480...8000
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 65
	440...460VAC 50/60Hz	kA 65
	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 65
	440...460VAC 50/60Hz	kA 65
	480...500VAC 50/60Hz	kA 42
	525VAC 50/60Hz	kA 22
	660...690VAC 50/60Hz	kA 10
Heat dissipation per pole (max)	W	76

Mechanical features

Terminals			
	screw		M12 x 35
	tool		Metric Allen key 10
Tightening torque for terminals			
	max	Nm	62
	max	lbin	550
Mounting position			
	normal		On vertical plan
	allowable		Any
Fixing			Screw
Weight		g	19600
Mechanical life		cycles	10000
Electrical life		cycles	3000
Dimensions (W x H x D)		mm	280x320x135

Ambient conditions

Temperature

Operating temperature

Storage temperature	min	°C	-20
	max	°C	+70

Current derating for temperature >40°C

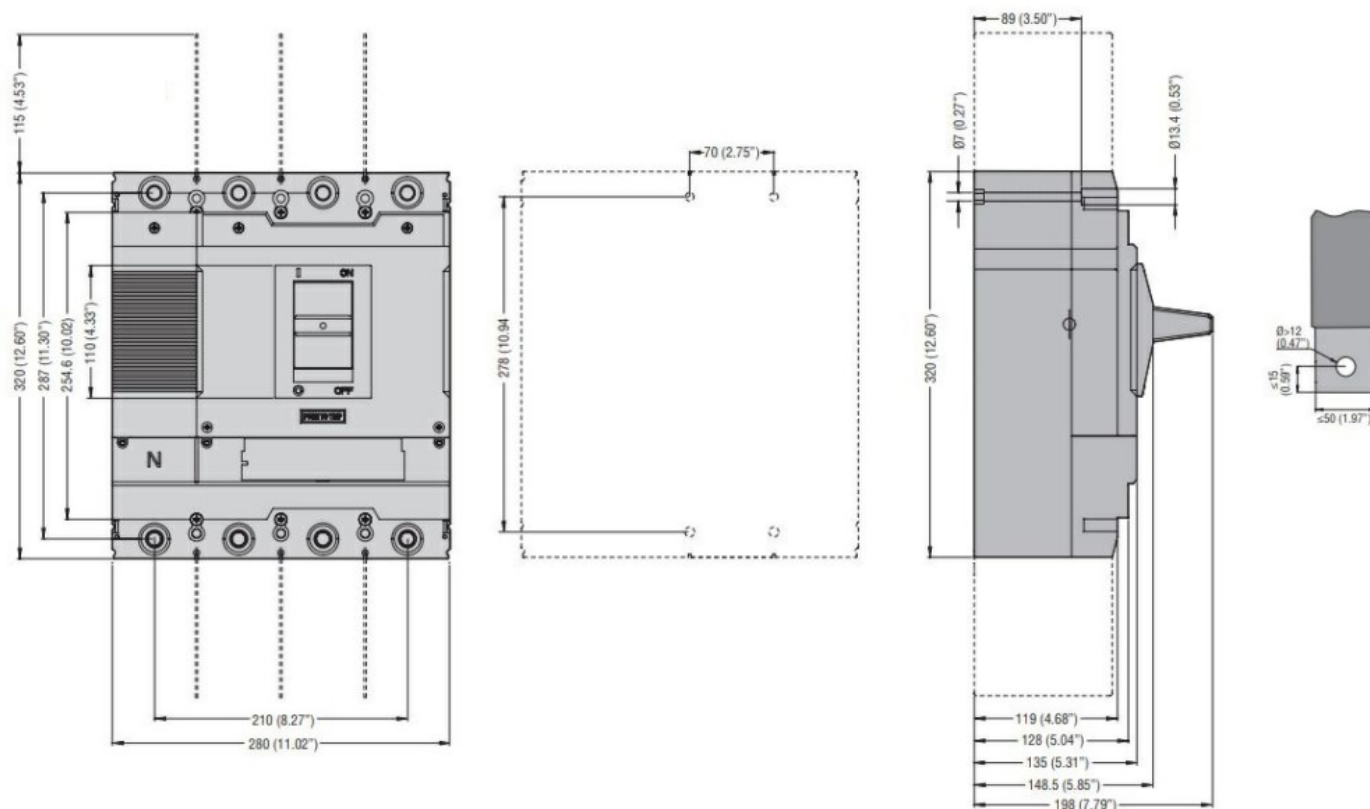
min	°C	-40
max	°C	+80
50°C	°C	750
60°C	°C	705
70°C	°C	656

Resistance & Protection

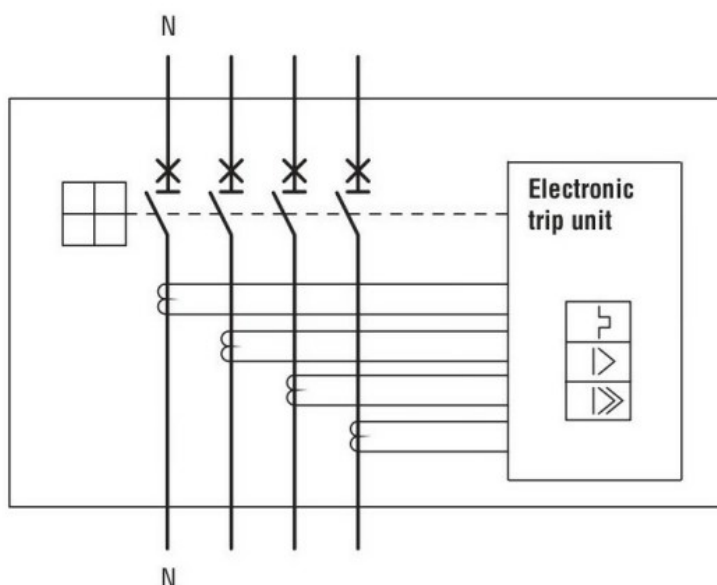
Frontal IP degree

IP20

Dimensions



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching