



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	250
Electronic overload trip adjustment range	A	100...250
Electronic short circuit trip adjustment range	A	150...2500
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		M8 x 20
	tool		Metric Allen key 6
Tightening torque for terminals			
	max	Nm	14
	max	Ibin	125
Mounting position			
	normal		On vertical plan
	allowable		Any
Fixing			Screw
Weight		g	2000
Mechanical life		cycles	25000
Electrical life		cycles	10000
Dimensions (W x H x D)		mm	105x160x86

Ambient conditions

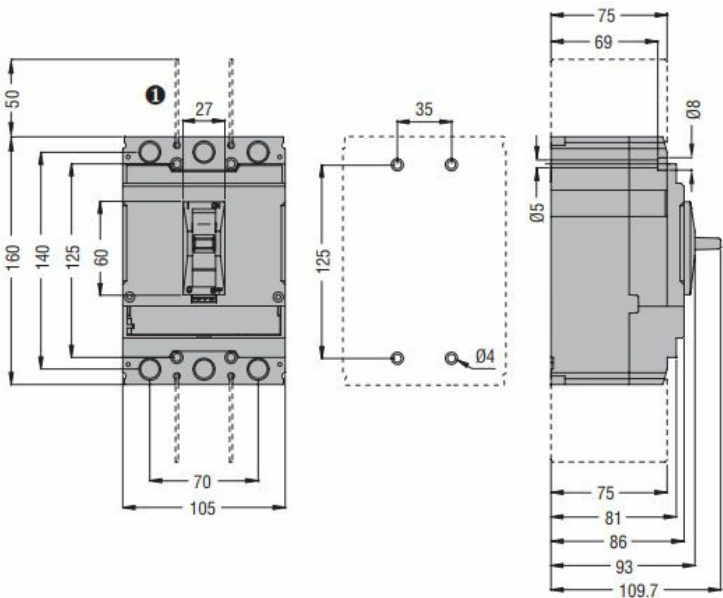
Temperature

Operating temperature

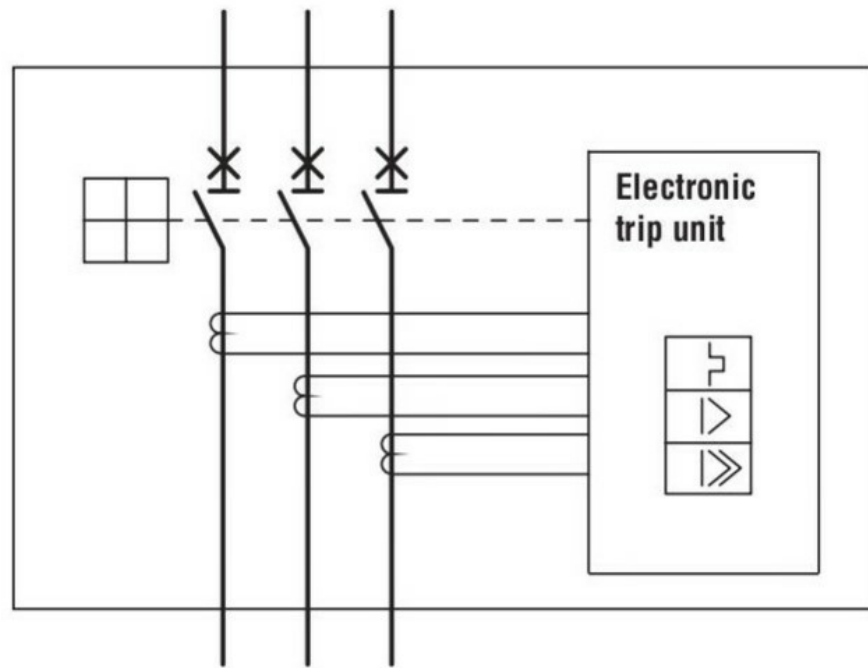
min °C -20

	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Current derating for temperature >40°C	50°C	°C	234
	60°C	°C	220
	70°C	°C	205

Resistance & Protection	
Frontal IP degree	IP20
Dimensions	



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching