



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	630
Electronic overload trip adjustment range	A	252...630
Electronic short circuit trip adjustment range	A	378...6300
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	83

Mechanical features

Terminals

screw
tool M10 x 30
Metric Allen key 8

Tightening torque for terminals

max Nm 48
max lbin 425

Mounting position

normal
allowable On vertical plan
Any

Fixing

Screw

Weight

g 5400

Mechanical life

cycles 20000

Electrical life

cycles 6000

Dimensions (W x H x D)

mm 140x260x110

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

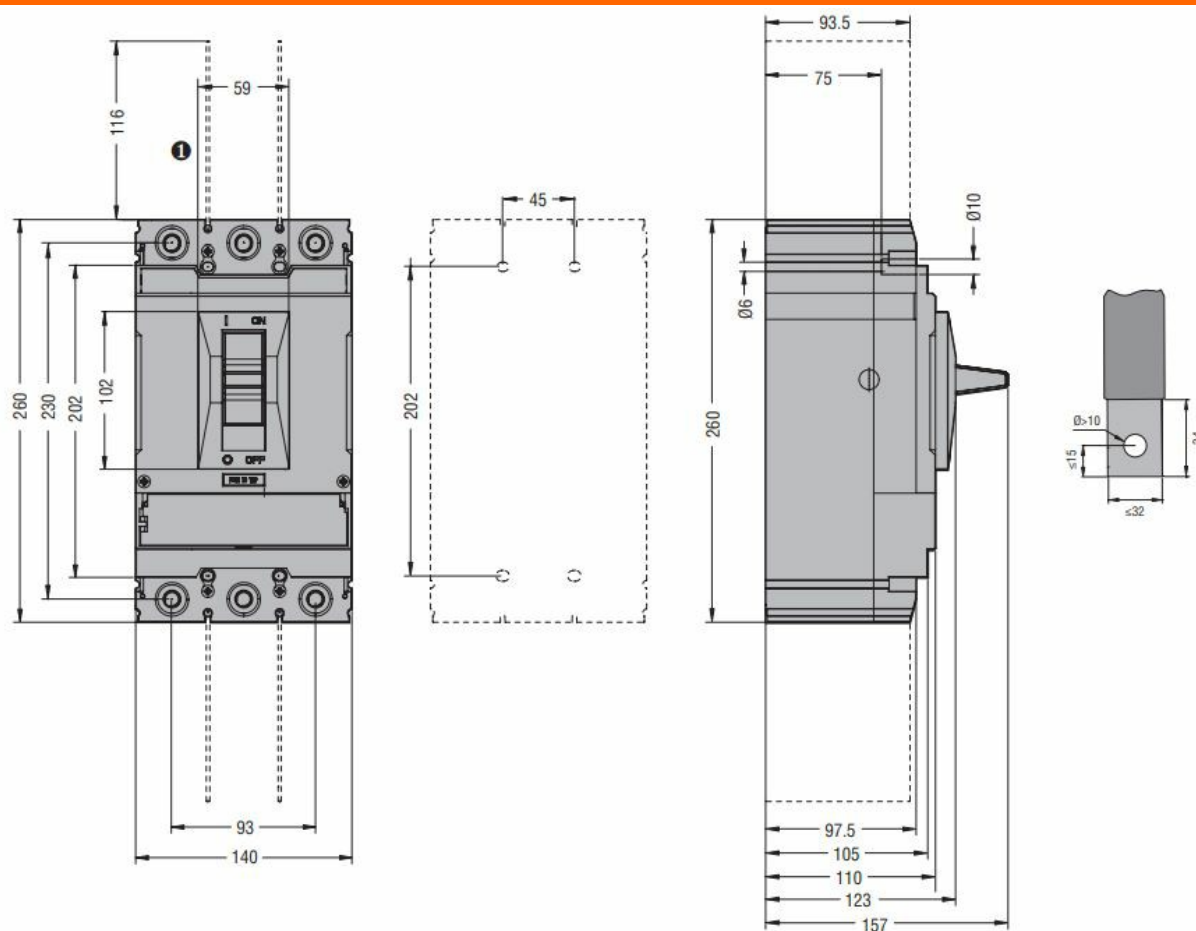
50°C	°C	591
60°C	°C	555
70°C	°C	517

Resistance & Protection

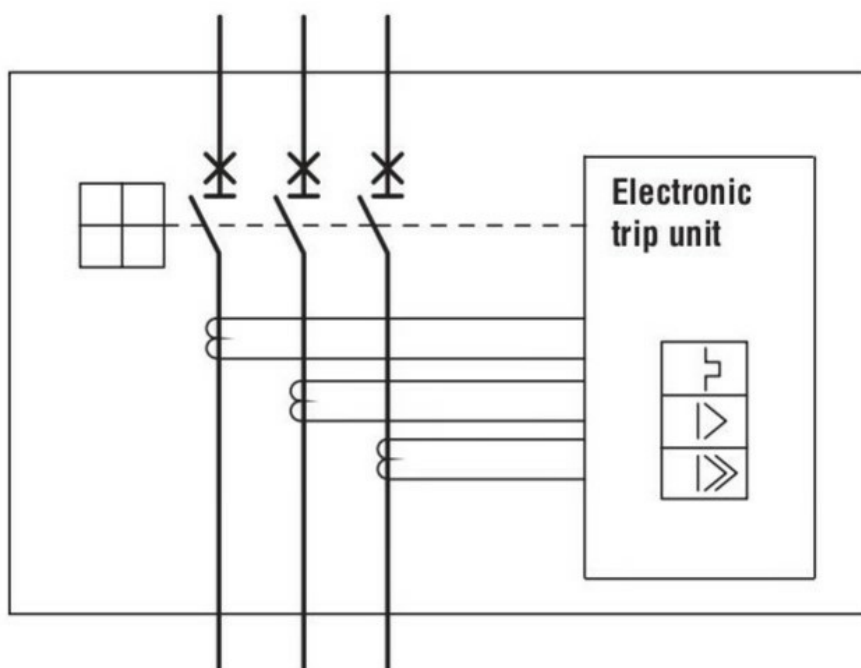
Frontal IP degree

IP20

Dimensions



Wiring diagrams



ETIM classification

EC000066 - Power contactor, AC switching