P5ME3PS0160

MOULDED CASE CIRCUIT BREAKER THREE-POLE, IEC STANDARD, 160A - ICU 50KA AT 400V



Electrical features			
Number of poles		Nr.	3
Rated current (≤40°C)		A	160
Electronic overload trip adjustment range		A	64…160
Electronic short circuit trip adjustment range		A	96…1600
AC rated operation voltage Ue		V	690
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp		kV	8
Short circuit breaking capacity Icu			
	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 Ics			
	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	lbin	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

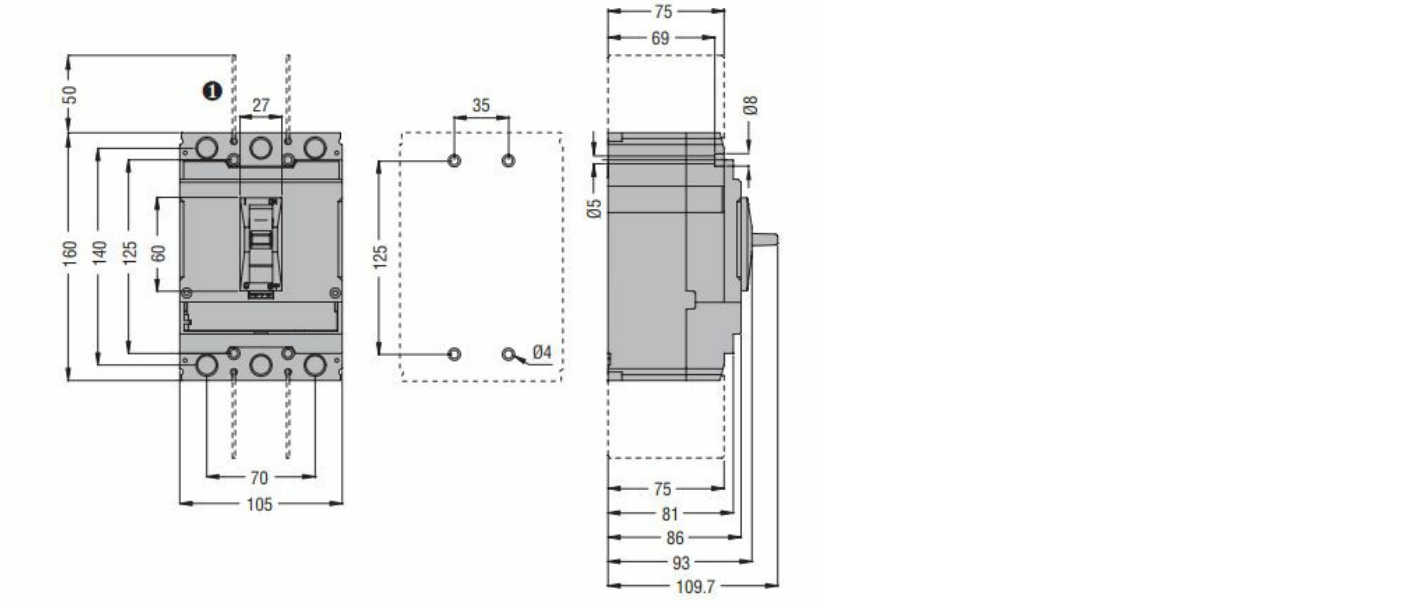
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

	max	°C	+80
Current derating for temperature >40°C			
	50°C	°C	150
	60°C	°C	141
	70°C	°C	131

Resistance & Protection

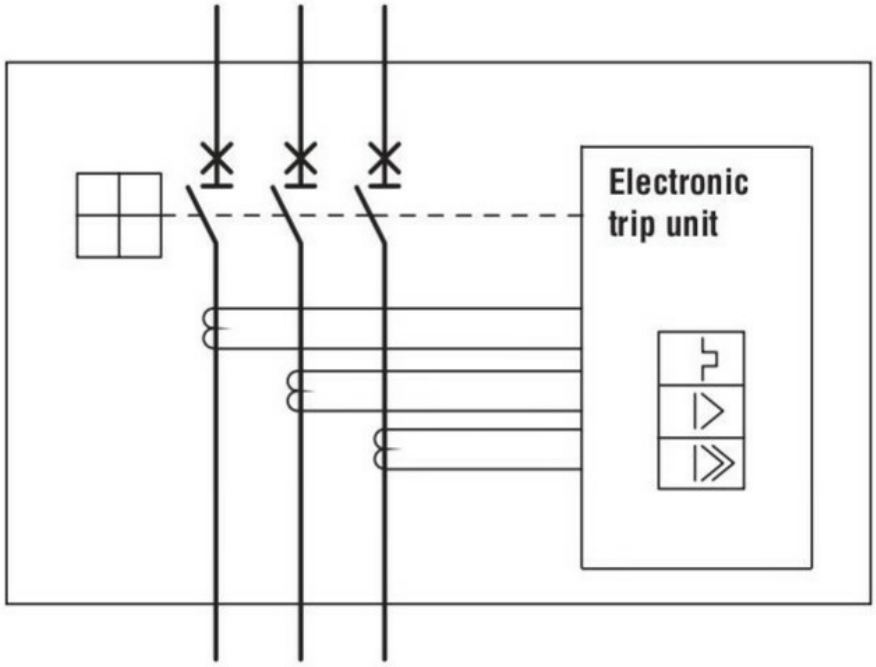
Frontal IP degree	IP20

Dimensions



Wiring diagrams

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ETIM classification

EC000066 - Power contactor, AC switching

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding