

# Power Defense molded case circuit breakers

Frame size 1 (15–125 A)



Frame size 1 configurator

Shown: PD1 3-pole with thermal-magnetic trip unit

## Dimensions and weights

### Approximate dimensions in inches (mm)

Number of poles	Width	Height	Depth
1	1.00 (25.4)	5.50 (139.7)	2.99 (76.0)
2	2.00 (50.8)	5.50 (139.7)	2.99 (76.0)
3	3.00 (76.2)	5.50 (139.7)	2.99 (76.0)
4	4.00 (101.6)	5.50 (139.7)	2.99 (76.0)

### Approximate shipping weight in lb (kg)

Breaker type	1-Pole	2-Pole	3-Pole	4-Pole
PDG1 125 A	0.85 (0.39)	1.57 (0.71)	2.3 (1.04)	2.84 (1.29)

### Thermal-magnetic trip unit ratings

Poles	Continuous current rating
1, 2, 3, 4	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, 125

### Additional information



↓ MCCB catalog



↓ Time current curve



↓ Power Defense poster

## Catalog number/product selection

### Interrupting ratings (2-, 3- and 4-pole)

Catalog designator	C		F		G		K		M ①		N ①②		P ①②	
	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms
240 Vac	25	35	65	85	100	150	200							
480 Vac	18	25	35	50	65	85	100							
600Y/347 Vac	10	14	18	22	25	30	35							
250 Vdc ③	10	22	22	35	35	42	42							
IEC	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>
240 Vac	25	25	35	35	55	55	85	85	100	100	150	150	200	200
380–415 Vac	20	20	25	25	36	36	50	50	70	70	100	100	100	100
250 Vdc ③	10	10	22	22	22	22	35	35	35	35	42	42	42	42

① UL current limiting.

② Available in 3- and 4-pole configurations only.

③ Must use two poles in series for 250 Vdc.

### Interrupting ratings (single-pole)

UL/CSA	C		F		G		K		M	
	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms
120 Vac	35	—	100	—	200					
240 Vac	25	35	65	85	100					
277 Vac	18	25	35	50	65					
347 Vac	10	14	18	22	25					
125 Vdc	10	22	22	35	35					
IEC	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>
240 Vac	25	25	35	35	55	55	85	85	100	100
125 Vdc	10	10	22	22	22	22	35	35	35	35

## Terminals

Maximum breaker amperes	Terminal body type	Wire type	Wire class	Number of conductors per phase	AWG range per conductor	Metric (mm <sup>2</sup> ) range per conductor	3-Pole catalog number
<b>Standard terminals</b>							
125	Steel	Al or Cu	B, C	1	14-3/0	2.08–85	PDG1X3T125 ①
<b>Alternate terminals</b>							
125	Aluminum	Cu/Al	B, C	1	14-1/0	2.08–53.5	PDG1X3TA125 ①

① No accessories included.



Powering Business Worldwide

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