

Power Defense molded case circuit breakers

Frame size 6 (700–2500 A)



Frame size 6
configurator

Shown: PD6 3-pole
with PXR 25 trip unit

Catalog number/product selection

Interrupting ratings

Catalog designator	M		N		P	
UL/CSA	kA rms		kA rms		kA rms	
240 Vac	125		150		200	
480 Vac	65		85		100	
600 Vac	35		50		65	
IEC	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}
240 Vac	135	100	150	100	200	100
380–415 Vac	70	53	70	53	100	53
440 Vac	50	40	70	50	100	50
480 Vac	50	30	65	40	85	40
525 Vac	30	25	35	25	40	25
660–690 Vac	15	7.5	20	13	35	18

Dimensions and weights

Approximate dimensions in inches (mm)

Number of poles	Width	Height	Depth
2	15.50 (393.7)	16.00 (406.4)	9.75 (247.7)
3	15.50 (393.7)	16.00 (406.4)	9.75 (247.7)
4	20.00 (508.0)	16.00 (406.4)	9.75 (247.7)

Approximate shipping weight in lb (kg)

Breaker type	2-Pole	3-Pole	4-Pole
PDG6 1600 and 2000 A	102 (46.3)	102 (46.3)	135 (61.2)
PDG6 2500 A	135 (61.2)	135 (61.2)	182 (82.6)

Trip unit ratings

Poles	Continuous current rating	Trip units
2-, 3-, 4-pole Electronic	1600, 2000, 2500, adjustable range (700–2500)	E##, D##, P## ①

① All #s refer to protection and options. Refer to the MCCB catalog or Power Defense poster for more information. Direct links are below.

Additional information



⌵ MCCB
catalog



⌵ Time
current
curve



⌵ Power
Defense
poster

Terminals

Maximum breaker amperes	Terminal body type	Wire type	Wire class	Number of conductors per phase	AWG/kcmil range per conductor	Metric (mm ²) range per conductor	3-Pole catalog number ①
Aluminum terminals							
1600	Aluminum	Cu/Al	B, C	4	500–1000	253–507	PDG6X1TA1600
2000	Aluminum	Cu/Al	B, C	6	2–600	33.6–304	PDG6X3TA2000 ②
Copper terminals							
1600	Copper	Cu	B, C	4	1–600	42.4–304	PDG6X1T1600

① Add M at end for metric hardware.

② Only available for 3-pole breaker; order quantity 1 per breaker side, or quantity 2 per breaker.

Trip units

Description	Specification
Trip unit	
Interchangeable trip units	Yes
Molded case switch (K)	Fixed magnetic
Electronic	
PXR 20 (E) current metering / comm opt.	LSI, LSIG, ALSI, ALSIG
PXR 20D (D) current metering / comm std.	LSI, LSIG, ALSI, ALSIG
PXR 25 (P) power metering / comm std.	LSI, LSIG, ALSI, ALSIG



⌵ PXR
electronic
trip units

EATON

Powering Business Worldwide

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