

Power Defense molded case circuit breakers

Frame size 3 (45–600 A)



Frame configurator

Shown: PD3 3-pole with
PXR 25 trip unit

Dimensions and weights

Approximate dimensions in inches (mm)

Number of poles	Width	Height	Depth
2	5.47 (138.9)	10.13 (257.1)	4.30 (109.1)
3	5.47 (138.9)	10.13 (257.1)	4.30 (109.1)
4	7.22 (182.9)	10.13 (257.1)	4.30 (109.1)

Approximate shipping weight in lb (kg)

Breaker type	2-Pole	3-Pole	4-Pole
PDG3 400 A	8.05 (3.65)	11.02 (5.00)	13.77 (6.25)
PDG3 600 A	10.43 (4.73)	12.36 (5.61)	16.27 (7.39)

Trip unit ratings

Poles	Continuous current rating	Trip units
2-, 3-, 4-pole	100, 125, 150, 175, 200, 225	TFA, VFA
Thermal-magnetic	250, 300, 350, 400, 500, 600	
3-, 4-pole	125, 250, H250,	B2N, E##, D##, P## ②
Electronic	400, H400, 600, adjustable range (45–600) ①	

① H as the leading character of the ampacity indicates a high instantaneous version of the breaker for coordination purposes. H ratings must use 600 A frame.

② All #s refer to protection and options. Refer to the MCCB catalog or Power Defense™ poster for more information. Direct links are below.

For additional information, visit the resources section available at Eaton.com/PDmccb.

Catalog number/product selection

Interrupting ratings

Catalog designator	F	G	K	M ①	N ①	P ①
UL/CSA	kA rms	kA rms	kA rms	kA rms	kA rms	kA rms
240 Vac	35	65	85	100	150	200
480 Vac	25	35	50	65	85	100
600 Vac	14	18	25	35	50	65
250 Vdc ②③	10/22	10/22	10/22	22/42	22/42	22/42
IEC	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}
240 Vac	35	35	55	55	85	85
380–415 Vac	25	25	36	36	50	50
440 Vac	25	20	30	22.5	35	35
480 Vac	20	20	25	20	35	22.5
525 Vac	18	5	20	7.5	25	10
660–690 Vac	—	—	8	4	10	5
250 Vdc ②③	10/22	10/22	10/22	10/22	10/22	10/22

① UL current limiting. M interrupting rating only current limiting for the 400 A construction breakers.

② DC ratings available in thermal-magnetic breakers only. 250 Vdc is achieved using two poles in series.

③ First rating listed is for 400 A frame, second rating is for 600 A frame.

Terminals

Maximum breaker amperes	Breaker frame	Terminal body type	Wire type	Wire class	Number of conductors per phase	AWG/kcmil range per conductor	Metric (mm²) range per conductor	3-Pole catalog number
Standard terminals								
300	400	Aluminum	Cu/Al	B, C	1	3–350	26.7–177	PDG3X3TA300 ①
350	400	Aluminum	Cu/Al	B, C	1	250–500	127–253	PDG3X3TA350 ①
400	400	Aluminum	Cu/Al	B, C	2	3/0–250	85–127	PDG3X3TA400 ②
400	600	Aluminum	Cu/Al	B, C	1	500–750	253–380	PDG3X3TA401H ②
630	600	Aluminum	Cu/Al	B, C	2	2–500	33.6–253	PDG3X3TA630 ②

① No accessories included.

② Terminal shield included.

Trip units

Description	Specification
Trip unit	
Interchangeable trip units	Yes
Thermal-magnetic (T)	Fixed thermal-adjustable magnetic
Molded case switch (K)	Fixed magnetic
Motor circuit protector (M)	Adjustable magnetic only (3-pole)
Electronic	
PXR 10 (B) adjustable LSI	LSI, MLSI
PXR 20 (E) current metering / comm opt.	LSI, LSIG, ALSI, ALSIG
PXR 25 (P) power metering / comm std.	LSI, LSIG, ALSI, ALSIG, MLSI, MLSIG



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