

Power Defense molded case circuit breakers

Frame size 3 (45–600 A)



Frame size 3 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 (5.0)	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 Thermal-magnetic	100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 500, 600	TFA, VFA
3-, 4-pole Electronic	125, 250, H250, 400, H400, 600, adjustable range (45–600) ①	B2N, E##, D##, P## ②

- 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.

Additional information



↓ MCCB catalog



↓ Time current curve



↓ Power Defense poster

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}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}
240 Vac	35	35	55	55	85	85	100	100	150	100	200	150
380–415 Vac	25	25	36	36	50	50	70	53	70	70	100	70
440 Vac	25	20	30	22.5	35	35	50	40	70	50	100	50
480 Vac	20	20	25	20	35	22.5	50	30	65	40	85	40
525 Vac	18	5	20	7.5	25	10	30	15	35	25	40	25
660–690 Vac	—	—	8	4	10	5	15	7.5	20	10	20	10
250 Vdc ②③	10/22	10/22	10/22	10/22	10/22	10/22	22/42	22/42	22/42	22/42	22/42	22/42

- 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 (mm ²) 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 20D (D) current metering / comm std.	LSI, LSIG, ALSI, ALSIG
PXR 25 (P) power metering / comm std.	LSI, LSIG, ALSI, ALSIG, MLSI, MLSIG



↓ PXR electronic trip units



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Printed in USA
Publication No. MZ012019EN / Z24189
June 2020

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