

Power Defense

molded case circuit breakers



PD G 3 3 M 0400 P5M J

Certifications	Frame	Poles ① ②	Interrupting ratings—CL denotes current limiting: (for 600 V and IEC ratings, see additional table)								Continuous current rating	Trip units (# of values detailed in PXR table)
			240 V: 25 kA	35 kA	65 kA	85 kA	100 kA	150 kA	200 kA	200 kA		
G UL/CSA/CCC/IEC	1	1, 2, 3, 4, 0	C	F	G	K	M (CL)	N (CL) ③	P (CL) ④		0015, 0020, 0025, 0030, 0035, 0040, 0045, 0050, 0060, 0070, 0080, 0090, 0100, 0110, 0125	TFF, VFF
G UL/CSA/CCC/IEC		3, 4			G		M				0125	KNS
G UL/CSA/CCC/IEC	2	1		F	G	K	M	N ⑤	P ⑥		0015, 0020, 0025, 0030, 0035, 0040, 0045, 0050, 0060, 0070, 0080, 0090, 0100, 0110, 0125, 0150	TFF, VFF
G UL/CSA/CCC/IEC		2 ⑦, 3, 4, 6, 0		F	G	K (CL)	M (CL)	N (CL)	P (CL)		0015, 0020, 0025, 0030, 0035, 0040, 0045, 0050, 0060, 0070, 0080, 0090, 0100, 0110, 0125, 0150, 0175, 0200, 0225	TFF, VFF
G UL/CSA/CCC/IEC		2, 3, 4			G		M				0060, 0100, 0150, 0225	B2N, E##, D##, P##
F UL (100% rated)/CSA/CCC/IEC		3, 4		F	G	K (CL)	M (CL)	N (CL)	P (CL)		0100, 0150, 0225	KNS
D UL/CSA rated up to 240 Vac		2, 3		F	G	K	M	N	P		0060, 0100, 0150, 0225	B2N, E##, D##, P##
G UL/CSA/CCC/IEC	3	2, 3, 4, 6, 0		F	G	K	M (CL) ①	N (CL)	P (CL)		0015, 0020, 0025, 0030, 0035, 0040, 0045, 0050, 0060, 0070, 0080, 0090, 0100, 0110, 0125, 0150, 0175, 0200, 0225	TFF, VFF
G UL/CSA/CCC/IEC		2, 3, 4			F	G	K	M (CL) ①	N (CL)	P (CL)	0100, 0125, 0150, 0175, 0200, 0225, 0250, 0300, 0350, 0400, 0500, 0600	TFA, VFA
F UL (100% rated)/CSA/CCC/IEC		3, 4			F	G	K	M (CL) ①			0125, 0250, H250, 0400, H400, 0600 ②	B2N, E##, D##, P##
F UL (100% rated)/CSA/CCC/IEC		3, 4			F	G	K	M (CL) ①			0400, 0600	FNN
D UL/CSA rated up to 240 Vac		2, 3		F	G	K	M	N	P		0400, 0600	KNS
G UL/CSA/CCC/IEC	4	2, 3, 4, 6, 0			G	K	M				0300, 0350, 0400, 0450, 0500, 0600, 0700, 0800	TFA, VFA
G UL/CSA/CCC/IEC		2, 3, 4			G	K	M				0800	B2N, E##, D##, P##
F UL (100% rated)/CSA/CCC/IEC		3, 4			G	K	M				0800	FNN
F UL (100% rated)/CSA/CCC/IEC		3, 4			G	K	M				0800	KNS
F UL (100% rated)/CSA/CCC/IEC		3, 4			G	K	M				0800	B2N, E##, D##, P##
G UL/CSA/CCC/IEC	5	2, 3, 4				K	M	N	P		0800, 1200	E##, D##, P##
G UL/CSA/CCC/IEC		3, 4				K	M	N	P		0800, 1200	FNN
F UL (100% rated)/CSA/CCC/IEC		3, 4				K	M	N	P		0800, 1200	KNS
F UL (100% rated)/CSA/CCC/IEC		3, 4				K	M	N	P		0800, 1200	E##, D##, P##
J UL/CSA rated up to 600 Vac		3							T		0800	FNN
G UL/CSA/CCC/IEC	6	2, 3, 4				M	N	P			1600, 2000, 2500	E##, D##, P##
G UL/CSA/CCC/IEC		3, 4				M	N	P			1600, 2000, 2500	FNN
F UL (100% rated)/CSA/CCC/IEC		3, 4				M	N	P			1600, 2000	KNS
F UL (100% rated)/CSA/CCC/IEC		3, 4				M	N	P			1600, 2000	E##, D##, P##
F UL (100% rated)/CSA/CCC/IEC		3, 4				M	N	P			1600, 2000	FNN

Interrupting ratings

Values listed in kAIC	C	F	G	K	M	N	P	T
ANSI 240 Vac	25	35	65	85	100	150	200	200
480 Vac	18	25	35	50	65	85	100	150
600 Vac ①	10	14	18	25	35	50	65	65
600 Vac ②	10	14	18	22	25	30 ③	35 ④	
250 Vdc	10	22	22	22	42	42		

	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}
IEC 240 Vac	35	35	55	55	85	85	100	100	150	100	200	150	—	—
380–415 Vac		25	25	36	50	50	70	53	70	70	100	70	—	—
440 Vac		25	20	30	23	35	35	50	40	70	50	100	65	—
690 Vac		N/A	N/A	8	4	10	5	10	5	10	5	10	5	—

Note: The interrupting rating of individual frames may vary, consult the specific frame information for exact ratings.

- ① For four-pole thermal-magnetic breakers, 4 = 100% neutral protection; 6 = 60% neutral protection; 0 = 0% neutral protection.
- ② Neutral protection is programmable to 0, 60 and 100% for all PXR trip units; use 4 to order.
- ③ Two-pole PDG2 breakers are not offered with ETU.
- ④ For PDG1, N and P interrupting ratings available on three- and four-pole breakers.
- ⑤ Single-pole N and P interrupting ratings only available to 30 A.
- ⑥ 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.
- ⑦ PD-3, PD-4, PD-5 and PD-6 ratings.
- ⑧ PD-1 and PD-2 ratings. PD-1 rated for 347/600 V applications. PD-2 rated for 600 V applications.
- ⑨ PD-2 N and P interrupting ratings with PXR trip units rated to 25 kA at 600 Vac.
- ⑩ PDG2 breakers may be configured only with specific terminals, using J (Standard) or W (non AI) for digit 14. However, when using J for 225 A, the oversized terminal presented as T will be used. Other terminals are as presented for J and W.
- ⑪ PD-3 M interrupting rating breakers are current limiting for the 400 A frame only; 400 A and 600 A frames are current limiting for N and P interrupting ratings.

EAT•N

Powering Business Worldwide

Power Xpert Release (PXR) trip units

- Breaker health for diagnostics and predictive maintenance
- Communications and energy metering at 1% accuracy level
- Zone selective interlocking (ZSI) with local and remote indication
- Programmable relays for situational awareness and flexibility
- Programmable Arcflash Reduction Maintenance System™
- Power Xpert Protection Manager software for setup and testing

Terminal options	Continuous current range	Standard		Alternate		Non-aluminum		StrandAble	
		J—Line and load K—Line only L—Load only	AWG & [mm²] Wire range	T—Line and load U—Line only V—Load only	AWG & [mm²] Wire range	W—Line and load Y—Line only Z—Load only	AWG & [mm²] Wire range	A—Line and load B—Line only C—Load only	AWG & [mm²] Wire range
N S, D, E J, K, L T, U, V W ①, Y, Z	15–125 A	Box (steel)	14–3/0 [2.08–85]	Tunnel (Al)	14–1/0 [2.08–53.5]	N/A	N/A	N/A	N/A
N S, D, E J, K, L T, U, V W ①, Y, Z	Up to 50 A	Box (steel)	14–1/0 [2.08–53.5]	Tunnel (Al)	14–4 [2.08–21.2]	Box (st. steel)	4–4/0 [21.2–107]	N/A	N/A
	50–100 A			Tunnel (Al)	14–1/0 [2.08–53.5]				
	110–150 A	Tunnel (Al)	4–4/0 [21.2–107]	Tunnel (Al)	14–4/0 [2.08–107]	Tunnel (Cu)	4–4/0 [21.2–107]		
	175–200 A			Tunnel (Al) ②	6–300 [13.3–152]				
	200–225 A								
N S, D, E J, K, L T, U, V W, Y, Z A, B, C	100–225 A	Tunnel (Al)	3–350 [26.7–177]	Tunnel (Al)	500–750 [253–380]	Tunnel (Cu)	6–350 [21.3–177]	Tunnel (Al)	(2) 3/0–250 (2) [85–127]
	250–350 A	Tunnel (Al)	250–500 [127–253]			Tunnel (Cu)	250–500 [127–253]		
	400 A	Tunnel (Al)	(2) 3/0–250 (2) [85–127]			Tunnel (Cu)	(2) 3/0–250 (2) [85–127]		