Power Defense molded case circuit breakers

Frame size 2 (15–225 A)

Frame size 2 configurator

Shown: PD2 3-pole with PXR 25 trip unit

Dimensions and weights

Approximate dimensions in inches (mm)

Number of poles	Width	Height	Depth
1	1.38 (35.1)	6.00 (152.4)	3.50 (88.9)
2	2.75 (69.9)	6.00 (152.4)	3.50 (88.9)
3	4.12 (104.6)	6.00 (152.4)	3.50 (88.9)
4	5.49 (139.5)	6.00 (152.4)	3.50 (88.9)

Approximate shipping weight in lb (kg)

Breaker type	1-Pole	2-Pole	3-Pole	4-Pole
PDG2 225 A	2.00 (0.91)	3.00 (1.36)	4.21 (1.82)	5.69 (2.46)

Trip unit ratings

Poles	Continuous current rating	Trip units
1-pole Thermal-magnetic	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, 125, 150	TFF, VFF
2-, 3-, 4-pole Thermal-magnetic	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225	TFF, VFF
3-, 4-pole Electronic	60, 100, 150, 225, adjustable range (15–225)	B2N, E##, D##, P## ❶

❶ 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 (2-, 3- and 4-pole)

Catalog designator	F	G	K ❶	M ❶	N ❶	P ❶
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	22	25	30/25 ❸	35/25 ❸
250 Vdc ❷	2	10	10	10	22	22 22

❶ UL current limiting for 3- and 4-pole breakers.

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

❸ First rating listed is for thermal-magnetic breakers, second rating is for breakers with PXR electronic trip units.

Terminals

Maximum breaker amperes	Breaker frame ❶	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								
100	15–100	Steel	Cu/Al	B, C	1	14–1/0	2.08–53.5	**PDG2X3T100** ❷❸
225	60–225	Aluminum	Cu/Al	B, C	1	4–4/0	21.2–107	**PDG2X3TA225** ❹❸
Alternate terminals								
50	15–50	Aluminum	Cu/Al	B, C	1	14–4	2.08–21.2	**PDG2X3TA50** ❸
100	60–100	Aluminum	Cu/Al	B, C	1	14–1/0	2.08–53.5	**PDG2X3TA100** ❸
150	60–150	Aluminum	Cu/Al	B, C	1	14–4/0	2.08–107	**PDG2X3TA150** ❸
225	175–225	Aluminum	Cu/Al	B, C	1	6–300	13.3–152	**PDG2X3TA225K** ❹❺

❶ The "Breaker frame" column provides information on the ampere ratings for which the terminal may be used (field installation); in some cases the range is limited by proper fit of the terminal onto the breaker conductor. The column "Standard on Amperes" provides information on what terminal is used during factory configuration per Digit 14 of the breaker catalog number. The two may not match.

❷ Factory standard terminals and non-aluminum terminals for 100 A and below are the same terminals.

❸ No accessories included.

❹ PDF2 225 A breakers with Digit 14 designation of "J" are equipped with PDG2X3TA225K terminals. PDF2 150 A breakers with Digit 14 designation of "J" are equipped with PDG2X3TA225 terminals.

❺ Terminal shield included.

Trip units

Description	Specification
Trip unit	
Thermal-magnetic (**T**)	Fixed thermal-fixed 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
PXR 20D **(D)** current metering / comm std.	LSI, LSIG
PXR 25 **(P)** power metering / comm std.	LSI, LSIG, MLSI, MLSIG

PXR electronic trip units

Powering Business Worldwide

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Printed in USA
Publication No. MZ012018EN / Z24189
June 2020

Follow us on social media to get the latest product and support information.