

# Power Defense molded case circuit breakers

Frame size 5 (320–1200 A)



Frame size 5 configurator

Shown: PD5 3-pole with  
PXR 25 trip unit

## Dimensions and weights

### Approximate dimensions in inches (mm)

| Number of poles | Width         | Height     | Depth        |
|-----------------|---------------|------------|--------------|
| 2               | 8.25 (209.5)  | 16 (406.4) | 5.50 (139.7) |
| 3               | 8.25 (209.6)  | 16 (406.4) | 5.50 (139.7) |
| 4               | 11.13 (282.7) | 16 (406.4) | 5.50 (139.7) |

### Approximate shipping weight in lb (kg)

| Breaker type                | 2-Pole       | 3-Pole       | 4-Pole     |
|-----------------------------|--------------|--------------|------------|
| PDG5 800, 1200 and 1600 A ① | 46.8 (21.30) | 46.8 (21.30) | 58 (26.31) |

① 1600 A frame is IEC only.

### Trip unit ratings

| Poles                        | Continuous current rating                      | Trip units         |
|------------------------------|------------------------------------------------|--------------------|
| 2-, 3-, 4-pole<br>Electronic | 400, 800, 1200,<br>adjustable range (150–1200) | E##, D##,<br>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

## Catalog number/product selection

### Interrupting ratings

| Catalog designator | K               | M               | N               | P               | T               |
|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| UL/CSA             | kA rms          | kA rms          | kA rms          | kA rms          | kA rms          |
| 240 Vac            | 85              | 100             | 150             | 200             | 200             |
| 480 Vac            | 50              | 65              | 85              | 100             | 150             |
| 600 Vac            | 25              | 35              | 50              | 65              | 65              |
| IEC                | I <sub>cu</sub> | I <sub>cs</sub> | I <sub>cu</sub> | I <sub>cs</sub> | I <sub>cu</sub> |
| 240 Vac            | 85              | 85              | 100             | 100             | 150             |
| 380–415 Vac        | 50              | 50              | 70              | 53              | 70              |
| 440 Vac            | 35              | 35              | 50              | 40              | 50              |
| 480 Vac            | 35              | 22.5            | 50              | 30              | 65              |
| 525 Vac            | 25              | 20              | 30              | 25              | 35              |
| 660–690 Vac        | 10              | 5               | 15              | 7.5             | 20              |

### Terminals

| Maximum breaker amperes   | 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 ① |
|---------------------------|--------------------|-----------|------------|--------------------------------|-------------------------------|----------------------------------|-------------------------|
| <b>Aluminum terminals</b> |                    |           |            |                                |                               |                                  |                         |
| 700                       | Aluminum           | Cu/Al     | B, C       | 2                              | 1–500                         | 42.4–253                         | PDG5X1TA700             |
| 1000                      | Aluminum           | Cu/Al     | B, C       | 3                              | 3/0–400                       | 85–203                           | PDG5X1TA1000            |
| 1200                      | Aluminum           | Cu/Al     | B, C       | 4                              | 4/0–500                       | 107–253                          | PDG5X1TA1200            |
| 1200                      | Aluminum           | Cu/Al     | B, C       | 3                              | 500–750                       | 253–380                          | PDG5X1TA1201            |
| <b>Copper terminals</b>   |                    |           |            |                                |                               |                                  |                         |
| 700                       | Copper             | Cu        | B, C       | 2                              | 2/0–500                       | 67.4–253                         | PDG5X1T700              |
| 1000                      | Copper             | Cu        | B, C       | 3                              | 3/0–500                       | 85–253                           | PDG5X1T1000             |
| 1200                      | Copper             | Cu        | B, C       | 4                              | 3/0–400                       | 85–203                           | PDG5X1T1200             |

① Add M at end for metric hardware.

### Trip units

| Description                              | Specification          |
|------------------------------------------|------------------------|
| <b>Trip unit</b>                         |                        |
| Interchangeable trip units               | Yes                    |
| Molded case switch (K)                   | Fixed magnetic         |
| <b>Electronic</b>                        |                        |
| 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



Powering Business Worldwide

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