

# Eaton PDG23F0150TFFJ

Catalog Number: PDG23F0150TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 150A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3TA225)

## General specifications

|                                                 |                                                                                                                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>                             | <b>Catalog Number</b>                                                                                                                                                            |
| Eaton Power Defense molded case circuit breaker | PDG23F0150TFFJ                                                                                                                                                                   |
|                                                 | <b>Model Code</b>                                                                                                                                                                |
|                                                 | PDG23F0150TFFJ                                                                                                                                                                   |
| <b>UPC</b>                                      | <b>Product Length/Depth</b>                                                                                                                                                      |
| 786679221860                                    | 8 in                                                                                                                                                                             |
| <b>Product Height</b>                           | <b>Product Width</b>                                                                                                                                                             |
| 6 in                                            | 6 in                                                                                                                                                                             |
| <b>Product Weight</b>                           | <b>Warranty</b>                                                                                                                                                                  |
| 5 lb                                            | Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first. |
| <b>Compliances</b>                              | <b>Certifications</b>                                                                                                                                                            |
| RoHS Compliant                                  | CCC Marked CSA IEC 60947-2 UL 489                                                                                                                                                |



## Delivery program

### Amperage Rating

150 A

### Circuit breaker frame type

Complete breaker

### Frame

2

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD2 Global

### Class

Class A

### Trip Type

T-M (Fxd-Fxd) TU

## Technical data - Electrical

### Voltage rating

600 Vac

### Voltage rating - max

600 V

## Technical data - Mechanical - Terminals

### Terminals

Standard Line and Load

## Technical information

### Interrupt rating

25 kAIC at 480 Vac

### Interrupt rating range

35 kAIC @240V (UL)

35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC)

18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC)

14 kAIC @600V (UL/CSA)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC)

25 kAIC @480V (UL)

10 kAIC Icu @125 Vdc

10 kAIC Icu @250 Vdc

25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC)

20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC)

## Resources

### 3D CAD drawing package

Eaton Power Defense MCCB PDG23F0150TFFJ 3D drawing

### Application notes

Consulting application guide - molded case circuit breakers

### Brochures

[Power Defense molded case circuit breaker selection poster](#)

[Power Defense technical selling booklet](#)

[Power Defense brochure](#)

[Power Defense molded case circuit breakers - Frame 2 product aid](#)

## Catalogs

[Molded case circuit breakers catalog](#)

## Certification reports

[EU Declaration of Conformity - Power Defense molded case circuit breakers](#)

[PDG2 CB report](#)

[PDG4 CB report](#)

[PDG4 CCC certification](#)

[Power Defense Declaration concerning California's Proposition 65](#)

## Installation instructions

[Power Defense Frame 2 shunt trip UVR instructions - IL012130EN](#)

[Power Defense Frame 2 clamp terminal \(steel\), 20A, 3 pole instructions - IL012246EN H03](#)

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA150RF instructions - IL012244EN H01](#)

[Power Defense Frame 2 multi wire connector kit - PDG2X3\(2\)\(4\)TA2253W instructions - IL012243EN H01](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 150A, 3 pole instructions - IL012238EN H03](#)

[Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN](#)

[Power Defense Frame 2 locking devices and handle block instructions - IL012149EN](#)

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RF instructions - IL012245EN H01](#)

[Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions \(IL012260EN\).pdf](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 50A, 3 pole instructions - IL012236EN H03](#)

[Power Defense Frame 2 screw terminal\\_end cap kit, 225A, 3 pole instructions - IL012258EN H01](#)

[Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions \(IL012138EN\).pdf](#)

[Power Defense Frame 2 box terminal \(steel\), 100A, 3 pole instructions - IL012234EN H03](#)

[Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN](#)

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K

instructions- IL012239EN H01

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions -  
IL012278EN

Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN

Power Defense Frame 2 multi wire connector kit -

PDG2X3(2)(4)TA2256W instructions - IL012242EN H01

Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions -  
IL012106EN

Power Defense Frame 2 tunnel terminal (aluminum), 100A, 3 pole  
instructions - IL012237EN H03

Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole  
instructions - IL012235EN H03

Power Defense Frame 2 handle mech variable depth rotary handle  
instructions - IL012136EN

### Installation videos

Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated  
Instructions.rh

Power Defense Frame 2 Locking Devices and Handle Block Animated  
Instructions.pdf.rh

Power Defense Frame 2 withTMTU, Shunt Trip\_UVR Animated  
Instructions.rh

Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle  
Animated Instructions.rh

Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh

### Multimedia

Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR How-To Video

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism  
Installation How-To Video

Power Defense Frame 3 Variable Depth Rotary Handle Mechanism  
Installation How-To Video

Power Defense Frame 2 Direct Rotary Handle Mechanism Installation  
How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense molded case circuit breakers

Power Defense Frame 5 Trip Unit How-To Video

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Breakers

### Specifications and datasheets

Eaton Specification Sheet - PDG23F0150TFFJ

Time/current curves

Power Defense time current curve Frame 2 - PD2

## White papers

Intelligent circuit protection yields space savings

Molded case and low-voltage power circuit breaker health

Making a better machine

Single and double break MCCB performance revisited

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



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