

# Eaton PDG13G0080TFFJ

Catalog Number: PDG13G0080TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 1, Three Pole, 80A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG1X3T125)

## General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG13G0080TFFJ

UPC

786679210505

Product Length/Depth

76 mm

Product Height

139.7 mm

Product Width

76.2 mm

Product Weight

2.75 lb

Warranty

Eaton Selling Policy 25-000, one (1) year RoHS Compliant from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

Compliances

Certifications

IEC 60947-2  
CSA  
UL 489  
CCC Marked



## Delivery program

### Amperage Rating

80 A

### Circuit breaker frame type

Complete breaker

### Frame

1

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD1 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

35 kAIC at 480 Vac

### Interrupt rating range

18 kAIC @600V (UL/CSA)

22 kAIC Icu @125 Vdc

22 kAIC Icu @250 Vdc

36 kAIC Icu/ 36 kAIC Ics/ 76 kAIC Icm @380-415V (IEC)

35 kAIC @480V (UL)

55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC)

65 kAIC @240V (UL)

## Resources

### 3D CAD drawing package

[Eaton Power Defense MCCB PDG13G0080TFFJ 3D drawing](#)

### Application notes

[Consulting application guide - molded case circuit breakers](#)

### Brochures

[Power Defense brochure](#)

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

[Power Defense technical selling booklet](#)

[Power Defense molded case circuit breakers - Frame 1 product aid](#)

## Catalogs

[Molded case circuit breakers catalog](#)

## Certification reports

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

[PDG1 CSA certification](#)

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

[PDG1 CCC certification](#)

[PDG1 UL authorization](#)

## Installation instructions

[Power Defense Frame 1 UL global interphase barrier - IL012176EN](#)

[Power Defense Frame 1 Instructions - IL012152EN](#)

[Power Defense Frame 1 UL global DIN rail adapter three or four pole - IL012186EN](#)

[Power Defense Frame 1 UL global screw terminal end cap kit metric 125A 3P - IL012171EN](#)

[Power Defense Frame 1 UL global Padlockable Handle Lock Hasp - IL012225EN](#)

[Power Defense Frame 1 UL global handle block padlockable - IL012178EN](#)

[Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN](#)

[Power Defense Frame 1 UL global terminal shield cover IP30 3P - IL012174EN](#)

[Power Defense Frame 1 UL Global variable depth rotary handle mech installation instructions - IL012308EN](#)

[Power Defense Frame 1 UL global tunnel terminal \(aluminum\) 125A 3P - IL012166EN H03](#)

[Power Defense Frame 1 UL global lock padlockable handle hasp IL012180EN](#)

[Power Defense Frame 1 UL global DIN rail adapter metal three pole - IL012187EN](#)

[Power Defense Frame 1 UL global interphase barrier instructions - IL012313EN](#)

[Power Defense Frame 1 UL global screw terminal end cap kit 125A 3P - IL012163EN](#)

[Power Defense Frame 1 UL global handle block non padlockable - IL012177EN](#)

[Power Defense Frame 1 UL global handle block padlockable off only - IL012179EN](#)

[Power Defense padlockable handle lock hasp top off only installation instructions - IL012226EN](#)

Power Defense Frame 1 UL global box terminal (steel) 125A 3P -  
IL012165EN H03

Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole -  
IL012185EN

### Installation videos

Power Defense Frame 1 UL Global Aux, Alarm, ST and UVR Animated  
Instructions.rh

### Multimedia

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Frame 5 Trip Unit How-To Video

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

Power Defense molded case circuit breakers

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

Eaton Power Defense for superior arc flash safety

Power Defense Breakers

Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video

### Specifications and datasheets

Eaton Specification Sheet - PDG13G0080TFFJ

### Time/current curves

Power Defense time current curve Frame 1 - PDG1

### White papers

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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