

Eaton PDG13F0045TFFJ

Catalog Number: PDG13F0045TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 1, Three Pole, 45A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG1X3T125)

Photo is representative



General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG13F0045TFFJ

UPC

786679285718

Product Length/Depth

2.992126 in

Product Height

5.5 in

Product Width

3 in

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

CCC Marked
UL 489
CSA
IEC 60947-2

Delivery program

Amperage Rating

45 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

25 kAIC at 480 Vac

Interrupt rating range

22 kAIC Icu @125 Vdc

25 kAIC Icu/ 25 kAIC Ics/ 53 kAIC Icm @380-415V (IEC)

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

22 kAIC Icu @250 Vdc

25 kAIC @480V (UL)

14 kAIC @600V (UL/CSA)

35 kAIC @240V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG13F0045TFFJ 3D drawing](#)

Application notes

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

Brochures

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

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

[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](#)

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

[PDG1 CCC certification](#)

[PDG1 UL authorization](#)

[PDG1 CSA certification](#)

Installation instructions

[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 screw terminal end cap kit metric 125A 3P - IL012171EN](#)

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

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

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

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

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

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

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

[Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole - IL012185EN](#)

[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 tunnel terminal \(aluminum\) 125A 3P - IL012166EN H03](#)

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

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

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

Power Defense Frame 1 UL global lock padlockable handle hasp
IL012180EN

Power Defense Frame 1 UL global handle block non padlockable -
IL012177EN

Installation videos

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

Multimedia

Power Defense molded case circuit breakers

Eaton Power Defense for superior arc flash safety

Power Defense Frame 6 Trip Unit How-To Video

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

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

Power Defense Frame 5 Trip Unit How-To Video

Power Defense Breakers

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

Specifications and datasheets

Eaton Specification Sheet - PDG13F0045TFFJ

Time/current curves

Power Defense time current curve Frame 1 - PDG1

White papers

Single and double break MCCB performance revisited

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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