

Eaton PDG33G0250TFAJ

Catalog Number: PDG33G0250TFAJ

Eaton Power Defense Globally Rated, Frame 3, Three Pole, 250A, 35kA/480V, T-M (Fxd-Adj) TU, Std Line Load Term (PDG3X3TA350)

General specifications

Product Name

Eaton Power Defense molded case
circuit breaker

Catalog Number

PDG33G0250TFAJ

UPC

786679469897

Product Length/Depth

109.1 mm

Product Height

257.1 mm

Product Width

138.9 mm

Product Weight

12.36 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

CSA
UL 489
CCC Marked
IEC 60947-2



Delivery program

Amperage Rating

250 A

Circuit breaker frame type

Complete breaker

Frame

3

Number of poles

Three-pole

General information

Circuit breaker type

PD3 Global

Class

Class A

Trip Type

T-M (Fxd-Adj) 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

35 kAIC @480V (UL)

36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

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

10 kAIC Icu @250 Vdc

20 kAIC Icu/ 7.5 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)

8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC)

18 kAIC @600V (UL/CSA)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC)

65 kAIC @240V (UL)

30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG33G0250TFAJ 3D drawing](#)

Application notes

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

Brochures

[StrandAble terminals product aid](#)

Power Defense brochure

Power Defense molded case circuit breaker selection poster

Power Defense technical selling booklet

Catalogs

Molded case circuit breakers catalog

Certification reports

PDG3 45-400A CB report

PDG3 UL authorization 100-400a

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG3 CSA certification 250-600a

PDG3 CSA certification 100-400a

PDG3B 450A-600A CB report

PDG3 UL authorization 250-600a TMTU

Installation instructions

Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

Power Defense Frame 3 plug-in adapter installation instructions - IL012311EN

Power Defense Frame 3 interphase barrier - IL012229EN H03

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

Power Defense Frame 4 locking devices and handle block instructions - IL012151EN

Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 4 reverse feed connector kit instructions for PDG4X3(2)(4)TA800RF instructions - IL012254EN

Power Defense Frame 3 box terminal installation instructions - IL012299EN

Power Defense Frame 3 trip unit replacement instructions - IL012157EN

Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006W Instructions - IL012248EN

Power Defense Frame 3 interphase barriers 3-pole - IL012229EN H01

Power Defense Frame 3 Direct Rotary Handle Assy With Interlock Version Instructions (IL012139EN).pdf

Power Defense Frame 3 locking devices and handle block instructions -
IL012150EN

Power Defense Frame 3 terminal spreader assembly instructions -
IL012301EN

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring
instructions – IL012316EN

Power Defense Frame 3 screw terminal_end cap kit, 400A, 3 pole –
IL012262EN

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

Power Defense Frame 3 multi wire connector kit -
PDG3X3(2)(4)TA4006W and PDG3X3(2)(4)TA4003W instructions-
IL012247EN H01

Power Defense Frame 3 terminal kit Cat Num PDG3X3(2)(4)TA400RF
instructions - IL012251EN

Power Defense Frame 3 reverse feed connector kit Cat Num
PDG3X3(2)(4)TA630RF instructions - IL012253EN

Power Defense Frame 3 screw terminal end cap kit 600A, 3 pole -
IL012264EN

Power Defense Frame 3 reverse feed connector kit Cat Num
PDG3X3(2)(4)TA400HRF instructions - IL012252EN

Power Defense Frame 3 terminal cover assembly instructions -
IL012281EN

Power Defense Frame 3 extendable shaft rotary handle mech -
IL012112EN

Power Defense Frame 3 handle mech direct rotary handle instructions -
IL012111EN

Power Defense Frame 3 rear connection installation instructions -
IL012300EN

Power Defense Frame 3 multi-tap terminal kit Cat Num
PDG3X3(2)(4)TA6006WSW instructions - IL012250EN

Installation videos

Power Defense Frame 3 Locking Devices and Handle Block Animated
Instructions.pdf.rh

Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated
Instructions.rh

Power Defense Frame 3 trip unit replacement animated instructions.rh

Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle
Animated Instructions.rh

Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh

Multimedia

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

Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To

Video

[Power Defense Frame 3 Trip Unit Installation How-To Video](#)

[Eaton Power Defense for superior arc flash safety](#)

[Power Defense molded case circuit breakers](#)

[Power Defense Frame 6 Trip Unit How-To Video](#)

[Power Defense Breakers](#)

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism
Installation How-To Video](#)

[Power Defense Frame 5 Trip Unit How-To Video](#)

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism
Installation How-To Video](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG33G0250TFAJ](#)

Time/current curves

[Power Defense time current curve Frame 3 - PD3](#)

White papers

[Intelligent power starts with accurate, actionable data](#)

[Molded case and low-voltage power circuit breaker health](#)

[Making a better machine](#)

[Single and double break MCCB performance revisited](#)

[Intelligent circuit protection yields space savings](#)

[Implementation of arc flash mitigating solutions at industrial
manufacturing facilities](#)

[Molded case and low-voltage breaker health](#)

[Safer by design: arc energy reduction techniques](#)



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