

Eaton PDG33G0250B2NL

Catalog Number: PDG33G0250B2NL

Power Defense Globally Rated, Frame 3, Three Pole, 250A, 35kA/480V, PXR10 LSI TU, Std Term Load Only (PDG3X3TA350)

Photo is representative

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG33G0250B2NL
	UPC
	786679893876
Product Length/Depth	Product Height
109.1 mm	257.1 mm
Product Width	Product Weight
138.9 mm	5.92 kg
Warranty	Compliances
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.	Certifications
	IEC 60947-2
	CCC Marked
	UL 489
	CSA



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

PXR 10 LSI

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Terminals Load Only

Technical information

Interrupt rating

35 kAIC at 480 Vac

Interrupt rating range

18 kAIC @600V (UL/CSA)

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

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

65 kAIC @240V (UL)

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

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

35 kAIC @480V (UL)

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

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

10 kAIC Icu @250 Vdc

Resources

3D CAD drawing package

[Eaton Power Defense PDG33G0250B2NL 3D drawing](#)

Application notes

[Power Xpert Protection Manager x32](#)

[Power Xpert Protection Manager x64](#)

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

Brochures

StrandAble terminals product aid

Power Defense molded case circuit breaker selection poster

Power Defense brochure

Power Defense technical selling booklet

Catalogs

Molded case circuit breakers catalog

Power Xpert Release trip units for Power Defense molded case circuit breakers

Certification reports

PDG3B 450A-600A CB report

PDG3 45-400A CB report

PDG3 UL authorization 100-400a

PDG3 UL authorization 250-600a TMTU

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG3 CSA certification 100-400a

PDG3 CSA certification 250-600a

Installation instructions

Power Defense Frame 3 trip unit replacement instructions - IL012157EN

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

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

Power Defense Frame 3 multi-tap terminal kit Cat Num

PDG3X3(2)(4)TA6006W Instructions - IL012248EN

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

Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN

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 box terminal installation instructions - IL012299EN

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

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

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

[Power Defense Frame 3 Breaker Instructions \(IL012107EN\).pdf](#)

[Power Defense Frame 4 shunt trip UVR instructions - IL012129EN](#)

[Power Defense Frame 3 shunt trip UVR instructions - IL012140EN](#)

[Power Defense Frame 3 rear connection installation instructions - IL012300EN](#)

[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 interphase barrier - IL012229EN H03](#)

[Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN](#)

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

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

[Power Defense Frame 3 terminal cover assembly instructions - IL012281EN](#)

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

[Power Defense Frame 3 extendable shaft rotary handle mech - IL012112EN](#)

[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 3 screw terminal_end cap kit, 400A, 3 pole – IL012262EN](#)

[Power Defense Frame 3 screw terminal end cap kit 600A, 3 pole - IL012264EN](#)

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

Installation videos

[Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh](#)

[Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh](#)

[Power Defense Frame 3 trip unit replacement animated instructions.rh](#)

[Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated Instructions.rh](#)

[Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh](#)

Multimedia

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

[Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To Video](#)

[Power Defense Frame 3 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 6 Trip Unit 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](#)

[Power Defense Breakers](#)

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

Specifications and datasheets

[Eaton Specification Sheet - PDG33G0250B2NL](#)

Time/current curves

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

White papers

[Intelligent circuit protection yields space savings](#)

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

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

[Making a better machine](#)

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

[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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