

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)

Photo is representative

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG33G0250TFAJ
	UPC
	786679469897
Product Length/Depth	Product Height
109.1 mm	257.1 mm
Product Width	Product Weight
138.9 mm	12.36 lb
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
	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 technical selling booklet](#)

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

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

[PDG3 UL authorization 250-600a TMTU](#)

[PDG3 UL authorization 100-400a](#)

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

[PDG3 45-400A CB report](#)

[PDG3B 450A-600A CB report](#)

[PDG3 CSA certification 250-600a](#)

[PDG3 CSA certification 100-400a](#)

Installation instructions

[Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN](#)

[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 4 reverse feed connector kit instructions for PDG4X3\(2\)\(4\)TA800RF instructions - IL012254EN](#)

[Power Defense Frame 3 plug-in adapter installation instructions - IL012311EN](#)

[Power Defense Frame 3 locking devices and handle block instructions - IL012150EN](#)

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

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

[Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN](#)

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

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

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

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

[Power Defense Frame 3 handle mech direct rotary handle instructions - IL012111EN](#)

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

IL012281EN

Power Defense Frame 3 extendable shaft rotary handle mech -

IL012112EN

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA630RF instructions - IL012253EN

Power Defense Frame 3 trip unit replacement instructions - IL012157EN

Power Defense Frame 3 box terminal installation instructions -

IL012299EN

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 finger protection assembly installation

instructions - IL012279EN

Power Defense Frame 3 multi wire connector kit -

PDG3X3(2)(4)TA4006W and PDG3X3(2)(4)TA4003W instructions-

IL012247EN H01

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

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 4 locking devices and handle block instructions -

IL012151EN

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

IL012278EN

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA400HRF instructions - IL012252EN

Power Defense Frame 3 multi-tap terminal kit Cat Num

PDG3X3(2)(4)TA6006WSW instructions - IL012250EN

Installation videos

Power Defense Frame 3 Handle Mech Direct Rotary Handle 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

Power Defense Frame 3 Locking Devices and Handle Block Animated

Instructions.pdf.rh

Power Defense Frame 3 trip unit replacement animated instructions.rh

Multimedia

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

Power Defense Frame 3 Trip Unit Installation How-To Video

Power Defense Frame 3 Direct Rotary Handle Mechanism Installation

[How-To Video](#)

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

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

[Power Defense molded case circuit breakers](#)

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

[Power Defense Breakers](#)

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

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

[Specifications and datasheets](#)

[Eaton Specification Sheet - PDG33G0250TFAJ](#)

[Time/current curves](#)

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

[White papers](#)

[Making a better machine](#)

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

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

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

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

[Intelligent circuit protection yields space savings](#)

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

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



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