

# Eaton PDG33N0200TFAJ

Catalog Number: PDG33N0200TFAJ

Power Defense Globally Rated, Frame 3, Three Pole, 200A, 85kA/480V, T-M (Fxd-Adj) TU, Std Line Load Term (PDG3X3TA300)

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense molded case circuit breaker	PDG33N0200TFAJ
	<b>UPC</b>
	786679483183
<b>Product Length/Depth</b>	<b>Product Height</b>
109.1 mm	257.1 mm
<b>Product Width</b>	<b>Product Weight</b>
138.9 mm	5.61 kg
<b>Warranty</b>	<b>Compliances</b>
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.	<b>Certifications</b>
	IEC 60947-2 CSA CCC Marked UL 489



## Product specifications

### Interrupt rating

85 kAIC at 480 Vac

### Frame

3

### Rated operation voltage (Ue) at AC - max

600

### Amperage Rating

200 A

### Number of poles

Three-pole

### Voltage rating - max

600 V

### Circuit breaker type

PD3 Global

### Interrupt rating range

22 kAIC Icu @250 Vdc

35 kAIC Icu/ 25 kAIC Ics/ 73.5 kAIC Icm @525V South Africa (IEC)

70 kAIC Icu/ 70 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)

150 kAIC Icu/ 100 kAIC Ics/ 330 kAIC Icm @240V (IEC)

50 kAIC @600V (UL/CSA)

20 kAIC Icu/ 10 kAIC Ics/ 42 kAIC Icm @690V (IEC)

65 kAIC Icu/ 40 kAIC Ics/ 143 kAIC Icm @480V Brazil (IEC)

70 kAIC Icu/ 50 kAIC Ics/ 154 kAIC Icm @440V (IEC)

150 kAIC @240V (UL)

85 kAIC @480V (UL)

### Switch off technique

Thermomagnetic

### Class

Class A

### Circuit breaker frame type

Complete breaker

### Terminals

Standard Line and Load

### Voltage rating

600 Vac

### Trip Type

T-M (Fxd-Adj) TU

## Resources

### 3D CAD drawing package

Eaton Power Defense MCCB PDG33N0200TFAJ 3D drawing

### Application notes

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

### Certification reports

PDG3 CSA certification 100-400a

PDG3 CSA certification 250-600a

PDG3 45-400A CB report

PDG3 UL authorization 100-400a

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG3 UL authorization 250-600a TMTU

PDG3B 450A-600A CB report

### Installation instructions

Power Defense Frame 3 interphase barrier - IL012229EN H03

Power Defense Frame 3 extendable shaft rotary handle mech - IL012112EN

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

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

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

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

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

Power Defense Frame 3 screw terminal\_end cap kit, 400A, 3 pole - IL012262EN

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

Power Defense Frame 3 box terminal installation instructions - IL012299EN

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA630RF instructions - IL012253EN

Power Defense Frame 3 finger protection assembly installation

instructions - IL012279EN

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 trip unit replacement instructions - IL012157EN

Power Defense Frame 3 multi wire connector kit -

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

IL012247EN H01

Power Defense Frame 3 multi-tap terminal kit Cat Num

PDG3X3(2)(4)TA6006W Instructions - IL012248EN

Power Defense Frame 3 terminal cover assembly instructions -

IL012281EN

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

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

instructions - IL012251EN

Power Defense Frame 4 locking devices and handle block instructions -

IL012151EN

Power Defense Frame 3 multi-tap terminal kit Cat Num

PDG3X3(2)(4)TA6006WSW instructions - IL012250EN

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

IL012264EN

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 plug-in adapter installation instructions -

IL012311EN

Power Defense Frame 3 rear connection installation instructions -

IL012300EN

Power Defense Frame 3 Direct Rotary Handle Assy With Interlock Version

Instructions (IL012139EN).pdf

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

#### **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 Locking Devices and Handle Block Animated

Instructions.pdf.rh

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

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

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

[Power Defense molded case circuit breakers](#)

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

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

### **Specifications and datasheets**

[Eaton Specification Sheet - PDG33N0200TFAJ](#)

### **Time/current curves**

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

### **Warranty guides**

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

### **White papers**

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

[Intelligent circuit protection yields space savings](#)

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

[Making a better machine](#)

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

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

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

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



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