

# Eaton PDG33M0600MSAN

Catalog Number: PDG33M0600MSAN

Eaton Power Defense motor protection circuit breaker, Globally Rated, Frame 3, Three Pole, 600A, 65kA/480V, Motor protection, Standard Calibration, Adjustable, No Terminals

Photo is representative



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense motor protection circuit breaker	PDG33M0600MSAN
	UPC
	786679550533
<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
	CCC Marked
	UL 489
	CSA

## Delivery program

### Amperage Rating

600 A

### Frame

3

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD3 Global

### Class

Class A

## Technical data - Electrical

### Voltage rating

600 Vac

## Technical data - Mechanical

### Switch off technique

Thermomagnetic

## Technical data - Mechanical - Terminals

### Terminals

No Terminals

## Technical information

### Interrupt rating

65 kAIC at 480 Vac

### Interrupt rating range

22 kAIC Icu at 250 Vdc

100 kAIC at 240 V (UL)

## Resources

### 3D CAD drawing package

[Eaton Power Defense MCCB PDG33M0600MSAN 3D drawing](#)

### Application notes

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

### Brochures

[StrandAble terminals product aid](#)

[Power Defense technical selling booklet](#)

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

[Power Defense brochure](#)

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

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

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

[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](#)

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

## Installation instructions

Power Defense Frame 3 box terminal installation instructions -  
IL012299EN

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 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 interphase barrier - IL012229EN H03

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

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

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

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)TA630RF instructions - IL012253EN

Power Defense Frame 3 extendable shaft rotary handle mech -  
IL012112EN

Power Defense Frame 3 finger protection assembly installation  
instructions - IL012279EN

Power Defense Frame 3 terminal cover assembly instructions -  
IL012281EN

Power Defense Frame 3 rear connection installation instructions -  
IL012300EN

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

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 shunt trip UVR instructions - IL012140EN

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

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

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA400HRF instructions - IL012252EN

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

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 adapter kit installation instructions LZM3 to  
PD3 - IL012227EN

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

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

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 trip unit replacement animated instructions.rh

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

Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated  
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Power Defense Frame 3 Shunt Trip\_UVR Animated Instructions.pdf.rh

### **Multimedia**

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 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 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 - PDG33M0600MSAN

### **Time/current curves**

Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3

Power Defense time current curve Frame 3 - PD3

#### White papers

Intelligent circuit protection yields space savings

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Making a better machine

Intelligent power starts with accurate, actionable data

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Safer by design: arc energy reduction techniques



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