

# Eaton PDG33MH400MSAN

Catalog Number: PDG33MH400MSAN

Eaton Power Defense motor protection circuit breaker, Globally Rated, Frame 3, Three Pole, 400A High Override, 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	PDG33MH400MSAN
	UPC
	786679573884
<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>
	UL 489
	CSA
	CCC Marked
	IEC 60947-2

## Delivery program

### Amperage Rating

400A High Override

### 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

100 kAIC at 240 V (UL)

22 kAIC Icu at 250 Vdc

## Resources

### 3D CAD drawing package

[Eaton Power Defense MCCB PDG33MH400MSAN 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 CSA certification 100-400a](#)

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

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

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

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

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

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

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

breakers

### Installation instructions

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

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 Breaker Instructions (IL012107EN).pdf

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 interphase barriers 3-pole - IL012229EN H01

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 multi-tap terminal kit Cat Num  
PDG3X3(2)(4)TA6006WSW instructions - IL012250EN

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 handle mech direct rotary handle instructions -  
IL012111EN

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

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

Power Defense Frame 3 terminal cover assembly instructions -  
IL012281EN

Power Defense Frame 3 box terminal installation instructions -  
IL012299EN

Power Defense Frame 3 trip unit replacement instructions - IL012157EN

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

instructions - IL012251EN

Power Defense Frame 3 rear connection installation instructions - IL012300EN

Power Defense Frame 3 interphase barrier - IL012229EN H03

Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN

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 extendable shaft rotary handle mech - IL012112EN

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

### **Installation videos**

Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle 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

Power Defense Frame 3 trip unit replacement animated instructions.rh

Power Defense Frame 3 Shunt Trip\_UVR Animated Instructions.pdf.rh

### **Multimedia**

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

Power Defense Frame 6 Trip Unit How-To Video

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

Power Defense molded case circuit breakers

Power Defense Breakers

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video

Power Defense Frame 5 Trip Unit How-To Video

Eaton Power Defense for superior arc flash safety

### **Specifications and datasheets**

Eaton Specification Sheet - PDG33MH400MSAN

### **Time/current curves**

Power Defense time current curve Frame 3 - PD3

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

#### White papers

Molded case and low-voltage power circuit breaker health

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Intelligent power starts with accurate, actionable data

Single and double break MCCB performance revisited

Making a better machine

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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