

# 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 technical selling booklet](#)

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

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

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

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

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

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

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

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

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

PDG3 45-400A CB report

### Installation instructions

Power Defense Frame 3 trip unit replacement instructions -

IL012157EN

Power Defense Frame 3 terminal cover assembly instructions -

IL012281EN

Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN

Power Defense Frame 3 box terminal installation instructions -

IL012299EN

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

instructions - IL012251EN

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 plug-in adapter installation instructions -

IL012311EN

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, 400A, 3 pole –

IL012262EN

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 handle mech direct rotary handle instructions -

IL012111EN

Power Defense Frame 3 rear connection installation instructions -

IL012300EN

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

Power Defense Frame 3 Direct Rotary Handle Assy With Interlock

Version Instructions (IL012139EN).pdf

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 interphase barrier - IL012229EN H03

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA400HRF instructions - IL012252EN

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

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN

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

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

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

#### **Installation videos**

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

Power Defense Frame 3 trip unit replacement animated instructions.rh

Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh

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

#### **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 Breakers

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

Power Defense Frame 6 Trip Unit How-To Video

Power Defense molded case circuit breakers

Eaton Power Defense for superior arc flash safety

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

Power Defense Frame 5 Trip Unit How-To Video

#### **Specifications and datasheets**

Eaton Specification Sheet - PDG33MH400MSAN

## 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 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

Intelligent circuit protection yields space savings

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



Eaton Corporation plc  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com  
© 2025 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)

# 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 technical selling booklet](#)

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

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

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

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

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

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

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

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

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

PDG3 45-400A CB report

### Installation instructions

Power Defense Frame 3 trip unit replacement instructions -

IL012157EN

Power Defense Frame 3 terminal cover assembly instructions -

IL012281EN

Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN

Power Defense Frame 3 box terminal installation instructions -

IL012299EN

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

instructions - IL012251EN

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 plug-in adapter installation instructions -

IL012311EN

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, 400A, 3 pole –

IL012262EN

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 handle mech direct rotary handle instructions -

IL012111EN

Power Defense Frame 3 rear connection installation instructions -

IL012300EN

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

Power Defense Frame 3 Direct Rotary Handle Assy With Interlock

Version Instructions (IL012139EN).pdf

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 interphase barrier - IL012229EN H03

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA400HRF instructions - IL012252EN

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

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN

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

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

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

#### **Installation videos**

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

Power Defense Frame 3 trip unit replacement animated instructions.rh

Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh

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

#### **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 Breakers

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

Power Defense Frame 6 Trip Unit How-To Video

Power Defense molded case circuit breakers

Eaton Power Defense for superior arc flash safety

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

Power Defense Frame 5 Trip Unit How-To Video

#### **Specifications and datasheets**

Eaton Specification Sheet - PDG33MH400MSAN

## 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 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

Intelligent circuit protection yields space savings

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



Eaton Corporation plc  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2025 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)