

# Specifications

Photo is representative



## Eaton 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

### General specifications

PRODUCT NAME	Eaton Power Defense motor protection circuit breaker
CATALOG NUMBER	PDG33MH400MSAN
UPC	786679573884
PRODUCT LENGTH/DEPTH	109.1 mm
PRODUCT HEIGHT	257.1 mm
PRODUCT WIDTH	138.9 mm
PRODUCT WEIGHT	5.61 kg
WARRANTY	Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL 489 CSA CCC Marked IEC 60947-2

### Product specifications

TYPE	Motor protection
AMPERAGE RATING	400A High Override
VOLTAGE RATING	600 Vac
CIRCUIT BREAKER TYPE	PD3 Global
TERMINALS	No Terminals
FRAME	3
CLASS	Class A
INTERRUPT RATING	65 kAIC at 480 Vac
MAX. RATED OPERATION VOLTAGE UE AC	600
SWITCH OFF TECHNIQUE	Thermomagnetic
NUMBER OF POLES	Three-pole

### Resources

3D CAD DRAWING PACKAGE	<a href="#">Eaton Power Defense MCCB PDG33MH400MSAN 3D drawing</a>
APPLICATION NOTES	<a href="#">Consulting application guide - molded case circuit breakers</a> <a href="#">StrandAble terminals product aid</a> <a href="#">Power Defense brochure</a>
BROCHURES	<a href="#">Power Defense technical selling booklet</a> <a href="#">Power Defense molded case circuit breaker selection poster</a>

<b>INTERRUPT RATING RANGE</b>	100 kAIC at 240 V (UL) 22 kAIC Icu at 250 Vdc
<b>VOLTAGE RATING - MAX</b>	600 V

<b>CATALOGS</b>	<a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a>
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**CERTIFICATION REPORTS**

- [PDG3 CSA certification 250-600a](#)
- [PDG3 UL authorization 250-600a TMTU](#)
- [PDG3B 450A-600A CB report](#)
- [PDG3 UL authorization 100-400a](#)
- [PDG3 45-400A CB report](#)
- [PDG3 UL authorization 250-600a PXR](#)
- [EU Declaration of Conformity - Power Defense molded case circuit breakers](#)
- [PDG3 CSA certification 100-400a](#)

**INSTALLATION INSTRUCTIONS**

- [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 locking devices and handle block instructions - IL012150EN](#)
- [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 Direct Rotary Handle Assy With Interlock Version Instructions \(IL012139EN\).pdf](#)
- [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 4 shunt trip UVR instructions - IL012129EN](#)

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

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

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

[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 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3\(2\)\(4\)TA6006WSW instructions - IL012250EN](#)

[Power Defense Frame 3 interphase barriers 3-pole - IL012229EN H01](#)

[Power Defense Frame 3 box terminal installation instructions - IL012299EN](#)

[Power Defense Frame 3 trip unit replacement instructions - IL012157EN](#)

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

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

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

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

[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 terminal cover assembly instructions - IL012281EN](#)

[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 terminal kit Cat Num PDG3X3\(2\)\(4\)TA400RF instructions - IL012251EN](#)

[Power Defense Frame 3 Shunt Trip UVR Animated Instructions.pdf.rh](#)

[Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh](#)

## INSTALLATION VIDEOS

[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 trip unit replacement animated instructions.rh](#)

[Power Defense Frame 3 Direct Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense Frame 3 Trip Unit Installation How-To Video](#)

[Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To Video](#)

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

[Power Defense molded case circuit breakers](#)

## MULTIMEDIA

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

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

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**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](#)

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

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

[Making a better machine](#)

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

**WHITE PAPERS**

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

[Intelligent circuit protection yields space savings](#)

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

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

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**PROJECT NAME:**

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**PROJECT NUMBER:**

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**PREPARED BY:**

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**DATE:**

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