

# 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

|                             |  |
|-----------------------------|--|
| <b>PRODUCT NAME</b>         | Eaton Power Defense motor protection circuit breaker   |
| <b>CATALOG NUMBER</b>       | PDG33MH400MSAN   |
| <b>UPC</b>                  | 786679573884   |
| <b>PRODUCT LENGTH/DEPTH</b> | 109.1 mm   |
| <b>PRODUCT HEIGHT</b>       | 257.1 mm   |
| <b>PRODUCT WIDTH</b>        | 138.9 mm   |
| <b>PRODUCT WEIGHT</b>       | 5.61 kg  |
| <b>WARRANTY</b>             | 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. |
| <b>COMPLIANCES</b>          | RoHS Compliant   |
| <b>CERTIFICATIONS</b>       | UL 489<br>CSA<br>CCC Marked<br>IEC 60947-2   |



Powering Business Worldwide

## Delivery program

**AMPERAGE RATING** 400A High Override

**FRAME** 3

**NUMBER OF POLES** Three-pole

## Technical data - Electrical

**VOLTAGE RATING** 600 Vac

## Technical data - Mechanical - Terminals

**TERMINALS** No Terminals

## General information

**CIRCUIT BREAKER TYPE** PD3 Global

**CLASS** Class A

## Technical data - Mechanical

**SWITCH OFF TECHNIQUE** Thermomagnetic

## 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 molded case circuit breaker selection poster](#)  
[Power Defense brochure](#)  
[Power Defense technical selling booklet](#)

CATALOGS [Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2](#)

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

INSTALLATION INSTRUCTIONS [Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3\(2\)\(4\)TA6006WSW instructions - IL012250EN](#)  
[Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN](#)

[Power Defense Frame 4 reverse feed connector kit instructions for PDG4X3\(2\)\(4\)TA800RE instructions - IL012254EN](#)

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

[Power Defense Frame 3 screw terminal end cap kit, 400A, 3 pole - IL012262EN](#)

[Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN](#)

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

[Power Defense Frame 4 shunt trip UVR instructions - IL012129EN](#)

[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 interphase barrier - IL012229EN H03](#)

[Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN](#)

[Power Defense Frame 4  
locking devices and handle  
block instructions -  
IL012151EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

[Power Defense Frame 3  
extendable shaft rotary  
handle mech - IL012112EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA630RE  
instructions - IL012253EN](#)

[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\(2\)\(4\)TA400RE  
instructions - IL012251EN](#)

[Power Defense Frame 3  
finger protection assembly  
installation instructions -  
IL012279EN](#)

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

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

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

[Power Defense Frame 3  
terminal cover assembly  
instructions - IL012281EN](#)

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

[Power Defense Frame 3  
locking devices and handle  
block instructions -  
IL012150EN](#)

[Power Defense Frame 3  
Direct Rotary Handle Assy  
With Interlock Version  
Instructions  
\(IL012139EN\).pdf](#)

#### INSTALLATION VIDEOS

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

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

[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](#)

|                               |   |
|-------------------------------|---|
|                               | <a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a><br><br><a href="#">Power Defense Frame 5 Trip Unit How-To Video</a><br><br><a href="#">Power Defense Breakers</a>  |
| SPECIFICATIONS AND DATASHEETS | <a href="#">Eaton Specification Sheet - PDG33MH400MSAN</a>  |
| TIME/CURRENT CURVES           | <a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a><br><br><a href="#">Power Defense time current curve Frame 3 - PD3</a>  |
|                               | <a href="#">Intelligent circuit protection yields space savings</a><br><br><a href="#">Implementation of arc flash mitigating solutions at industrial manufacturing facilities</a><br><br><a href="#">Intelligent power starts with accurate, actionable data</a>   |
| WHITE PAPERS                  | <a href="#">Single and double break MCCB performance revisited</a><br><br><a href="#">Molded case and low-voltage power circuit breaker health</a><br><br><a href="#">Making a better machine</a><br><br><a href="#">Molded case and low-voltage breaker health</a><br><br><a href="#">Safer by design: arc energy reduction techniques</a> |

---

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

---



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

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.



# 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

|                             |  |
|-----------------------------|--|
| <b>PRODUCT NAME</b>         | Eaton Power Defense motor protection circuit breaker   |
| <b>CATALOG NUMBER</b>       | PDG33MH400MSAN   |
| <b>UPC</b>                  | 786679573884   |
| <b>PRODUCT LENGTH/DEPTH</b> | 109.1 mm   |
| <b>PRODUCT HEIGHT</b>       | 257.1 mm   |
| <b>PRODUCT WIDTH</b>        | 138.9 mm   |
| <b>PRODUCT WEIGHT</b>       | 5.61 kg  |
| <b>WARRANTY</b>             | 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. |
| <b>COMPLIANCES</b>          | RoHS Compliant   |
| <b>CERTIFICATIONS</b>       | UL 489<br>CSA<br>CCC Marked<br>IEC 60947-2   |



Powering Business Worldwide

## Delivery program

**AMPERAGE RATING** 400A High Override

**FRAME** 3

**NUMBER OF POLES** Three-pole

## Technical data - Electrical

**VOLTAGE RATING** 600 Vac

## Technical data - Mechanical - Terminals

**TERMINALS** No Terminals

## General information

**CIRCUIT BREAKER TYPE** PD3 Global

**CLASS** Class A

## Technical data - Mechanical

**SWITCH OFF TECHNIQUE** Thermomagnetic

## 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 molded case circuit breaker selection poster](#)  
[Power Defense brochure](#)  
[Power Defense technical selling booklet](#)

CATALOGS [Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2](#)

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

INSTALLATION INSTRUCTIONS [Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3\(2\)\(4\)TA6006WSW instructions - IL012250EN](#)  
[Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN](#)

[Power Defense Frame 4 reverse feed connector kit instructions for PDG4X3\(2\)\(4\)TA800RE instructions - IL012254EN](#)

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

[Power Defense Frame 3 screw terminal end cap kit, 400A, 3 pole - IL012262EN](#)

[Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN](#)

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

[Power Defense Frame 4 shunt trip UVR instructions - IL012129EN](#)

[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 interphase barrier - IL012229EN H03](#)

[Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN](#)

[Power Defense Frame 4  
locking devices and handle  
block instructions -  
IL012151EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

[Power Defense Frame 3  
extendable shaft rotary  
handle mech - IL012112EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA630RE  
instructions - IL012253EN](#)

[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\(2\)\(4\)TA400RE  
instructions - IL012251EN](#)

[Power Defense Frame 3  
finger protection assembly  
installation instructions -  
IL012279EN](#)

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

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

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

[Power Defense Frame 3  
terminal cover assembly  
instructions - IL012281EN](#)

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

[Power Defense Frame 3  
locking devices and handle  
block instructions -  
IL012150EN](#)

[Power Defense Frame 3  
Direct Rotary Handle Assy  
With Interlock Version  
Instructions  
\(IL012139EN\).pdf](#)

#### INSTALLATION VIDEOS

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

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

[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](#)

|                               |   |
|-------------------------------|---|
|                               | <a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a><br><br><a href="#">Power Defense Frame 5 Trip Unit How-To Video</a><br><br><a href="#">Power Defense Breakers</a>  |
| SPECIFICATIONS AND DATASHEETS | <a href="#">Eaton Specification Sheet - PDG33MH400MSAN</a>  |
| TIME/CURRENT CURVES           | <a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a><br><br><a href="#">Power Defense time current curve Frame 3 - PD3</a>  |
|                               | <a href="#">Intelligent circuit protection yields space savings</a><br><br><a href="#">Implementation of arc flash mitigating solutions at industrial manufacturing facilities</a><br><br><a href="#">Intelligent power starts with accurate, actionable data</a>   |
| WHITE PAPERS                  | <a href="#">Single and double break MCCB performance revisited</a><br><br><a href="#">Molded case and low-voltage power circuit breaker health</a><br><br><a href="#">Making a better machine</a><br><br><a href="#">Molded case and low-voltage breaker health</a><br><br><a href="#">Safer by design: arc energy reduction techniques</a> |

---

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

---



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

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

