

# Specifications

Photo is representative

## Eaton PDG33M0600E3RL

Power Defense Globally Rated, Frame 3, Three Pole, 600A, 65kA/480V, PXR20 LSIG w/ Relays, Std Term Load Only (PDG3X3TA630)

### General specifications

|                             |  |
|-----------------------------|--|
| <b>PRODUCT NAME</b>         | Eaton Power Defense molded case circuit breaker  |
| <b>CATALOG NUMBER</b>       | PDG33M0600E3RL   |
| <b>UPC</b>                  | 786679965856   |
| <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>       | 5.92 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   |



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## Delivery program

|                                   |                  |
|-----------------------------------|------------------|
| <b>AMPERAGE RATING</b>            | 600 A            |
| <b>CIRCUIT BREAKER FRAME TYPE</b> | Complete breaker |
| <b>FRAME</b>                      | 3                |
| <b>NUMBER OF POLES</b>            | Three-pole       |

## Technical data - Electrical

|                       |         |
|-----------------------|---------|
| <b>VOLTAGE RATING</b> | 600 Vac |
|-----------------------|---------|

## Technical information

|                               |   |
|-------------------------------|---|
| <b>INTERRUPT RATING</b>       | 65 kAIC at 480 Vac                          |
| <b>INTERRUPT RATING RANGE</b> | 22 kAIC Icu @250 Vdc<br>100 kAIC @240V (UL) |
| <b>TRIP RATING</b>            | 600 A                                       |

## General information

|                             |            |
|-----------------------------|------------|
| <b>CIRCUIT BREAKER TYPE</b> | PD3 Global |
| <b>CLASS</b>                | Class A    |
| <b>TRIP TYPE</b>            | T285       |

## Technical data - Mechanical - Terminals

|                  |                              |
|------------------|------------------------------|
| <b>TERMINALS</b> | Standard Terminals Load Only |
|------------------|------------------------------|

## Resources

|                               |   |
|-------------------------------|---|
| <b>3D CAD DRAWING PACKAGE</b> | <a href="#">Eaton Power Defense PDG33M0600E3RL 3D drawing</a>   |
| <b>APPLICATION NOTES</b>      | <a href="#">Power Xpert Protection Manager x32</a><br><a href="#">Power Xpert Protection Manager x64</a><br><a href="#">Consulting application guide - molded case circuit breakers</a>   |
| <b>BROCHURES</b>              | <a href="#">StrandAble terminals product aid</a><br><a href="#">Power Defense molded case circuit breaker selection poster</a><br><a href="#">Power Defense technical selling booklet</a><br><a href="#">Power Defense brochure</a> |
| <b>CATALOGS</b>               | <a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a><br><a href="#">Power Xpert Release trip units for Power Defense molded case circuit breakers</a>  |
| <b>CERTIFICATION REPORTS</b>  | <a href="#">PDG3 UL authorization 250-600a PXR</a><br><a href="#">PDG3 CSA certification 100-400a</a><br><a href="#">PDG3 CSA certification 250-600a</a><br><a href="#">PDG3 45-400A CB report</a>                                  |

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

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

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

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

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

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

[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](#)

[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  
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](#)

INSTALLATION  
INSTRUCTIONS

[Power Defense Frame 3 terminal kit Cat Num PDG3X3\(2\)\(4\)TA400RE instructions - IL012251EN](#)

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

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

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

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

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

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

[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 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  
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\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

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

[Power Defense Frame 3  
interphase barrier -  
IL012229EN H03](#)

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

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

[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  
Shunt Trip UVR Animated  
Instructions.pdf.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](#)

## INSTALLATION VIDEOS

|                               |  |
|-------------------------------|--|
| MULTIMEDIA                    | <a href="#">Power Defense Frame 3 Trip Unit Installation How-To Video</a><br><br><a href="#">Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To Video</a><br><br><a href="#">Power Defense Frame 3 Direct Rotary Handle Mechanism Installation How-To Video</a><br><br><a href="#">Power Defense Frame 6 Trip Unit How-To Video</a><br><br><a href="#">Power Defense molded case circuit breakers</a><br><br><a href="#">Eaton Power Defense for superior arc flash safety</a><br><br><a href="#">Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</a><br><br><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 - PDG33M0600E3RL</a>   |
| TIME/CURRENT CURVES           | <a href="#">Power Defense time current curve Frame 3 - PD3</a><br><br><a href="#">Power Defense time current curves MCP Motor Circuit Protection - PD1, PD2, PD3</a>   |
| WHITE PAPERS                  | <a href="#">Making a better machine</a><br><br><a href="#">Intelligent power starts with accurate, actionable data</a><br><br><a href="#">Molded case and low-voltage power circuit breaker health</a><br><br><a href="#">Implementation of arc flash mitigating solutions at industrial manufacturing facilities</a>  |

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[Intelligent circuit protection yields space savings](#)

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

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

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

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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