

# Specifications

Photo is representative

## Eaton PDG33M0250TFAL

Power Defense Globally Rated, Frame 3, Three Pole, 250A, 65kA/480V, T-M (Fxd-Adj) TU, Std Term Load Only (PDG3X3TA350)

### General specifications

<b>PRODUCT NAME</b>	Eaton Power Defense molded case circuit breaker
<b>CATALOG NUMBER</b>	PDG33M0250TFAL
<b>UPC</b>	786679712740
<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 CSA IEC 60947-2 CCC Marked



Powering Business Worldwide

## Delivery program

<b>AMPERAGE RATING</b>	250 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
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## Technical information

<b>INTERRUPT RATING</b>	65 kAIC at 480 Vac
<b>INTERRUPT RATING RANGE</b>	30 kAIC Icu/ 15 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC) 70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC) 22 kAIC Icu @250 Vdc 100 kAIC @240V (UL) 50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC) 100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC) 35 kAIC @600V (UL/CSA) 50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC) 15 kAIC Icu/ 7.5 kAIC Ics/ 31.5 kAIC Icm @690V (IEC) 65 kAIC @480V (UL)

## General information

<b>CIRCUIT BREAKER TYPE</b>	PD3 Global
<b>CLASS</b>	Class A
<b>TRIP TYPE</b>	T297

## Technical data - Mechanical - Terminals

<b>TERMINALS</b>	Standard Terminals Load Only
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## Resources

<b>3D CAD DRAWING PACKAGE</b>	<a href="#">Eaton Power Defense PDG33M0250TFAL 3D drawing</a>
<b>BROCHURES</b>	<a href="#">StrandAble terminals product aid</a> <a href="#">Power Defense brochure</a> <a href="#">Power Defense technical selling booklet</a> <a href="#">Power Defense molded case circuit breaker selection poster</a>
<b>CATALOGS</b>	<a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a>
<b>CERTIFICATION REPORTS</b>	<a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a> <a href="#">PDG3 CSA certification 100-400a</a> <a href="#">PDG3 UL authorization 100-400a</a> <a href="#">PDG3 45-400A CB report</a> <a href="#">PDG3B 450A-600A CB report</a> <a href="#">PDG3 UL authorization 250-600a TMTU</a> <a href="#">PDG3 CSA certification 250-600a</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">Power Defense Frame 3 handle mech direct rotary handle instructions - IL012111EN</a>

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

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

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

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

[Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN](#)

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

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

[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 interphase barrier - IL012229EN H03](#)

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

[Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN](#)

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

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

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

[Power Defense Frame 3  
multi wire connector kit -  
PDG3X3\(2\)\(4\)TA4006W  
and  
PDG3X3\(2\)\(4\)TA4003W  
instructions- IL012247EN  
H01](#)

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

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

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

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

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

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

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

INSTALLATION VIDEOS

[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 Handle Mech Direct Rotary Handle Animated Instructions.rh](#)

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

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

MULTIMEDIA

[Power Defense molded case circuit breakers](#)

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

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

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

[Power Defense Frame 6 Trip Unit How-To Video](#)

[Power Defense Breakers](#)

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

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SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - PDG33M0250TFAL</a>
TIME/CURRENT CURVES	<a href="#">Power Defense time current curve Frame 3 - PD3</a>
	<a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a>
WARRANTY GUIDES	<a href="#">Selling Policy 25-000 - Distribution and Control Products and Services</a>
WHITE PAPERS	<a href="#">Single and double break MCCB performance revisited</a>
	<a href="#">Implementation of arc flash mitigating solutions at industrial manufacturing facilities</a>
	<a href="#">Intelligent circuit protection yields space savings</a>
	<a href="#">Intelligent power starts with accurate, actionable data</a>
	<a href="#">Making a better machine</a>
	<a href="#">Molded case and low-voltage power circuit breaker health</a>
	<a href="#">Safer by design: arc energy reduction techniques</a>
	<a href="#">Molded case and low-voltage breaker health</a>

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

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