

Eaton PDG33M0600MSAN

Catalog Number: PDG33M0600MSAN

Eaton Power Defense motor protection circuit breaker, Globally Rated, Frame 3, Three Pole, 600A, 65kA/480V, Motor protection, Standard Calibration, Adjustable, No Terminals

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense motor protection circuit breaker	PDG33M0600MSAN
	UPC
	786679550533
Product Length/Depth	Product Height
109.1 mm	257.1 mm
Product Width	Product Weight
138.9 mm	5.61 kg
Warranty	Compliances
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.	Certifications
	IEC 60947-2
	CCC Marked
	UL 489
	CSA

Delivery program

Amperage Rating

600 A

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

22 kAIC Icu at 250 Vdc

100 kAIC at 240 V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG33M0600MSAN 3D drawing](#)

Application notes

[Consulting application guide - molded case circuit breakers](#)

Brochures

[StrandAble terminals product aid](#)

[Power Defense technical selling booklet](#)

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

[Power Defense brochure](#)

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

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

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

[PDG3 45-400A CB report](#)

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

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

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

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

Installation instructions

Power Defense Frame 3 box terminal installation instructions -
IL012299EN

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)TA400RF
instructions - IL012251EN

Power Defense Frame 4 locking devices and handle block instructions -
IL012151EN

Power Defense Frame 3 interphase barrier - IL012229EN H03

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions -
IL012278EN

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)TA630RF instructions - IL012253EN

Power Defense Frame 3 extendable shaft rotary handle mech -
IL012112EN

Power Defense Frame 3 finger protection assembly installation
instructions - IL012279EN

Power Defense Frame 3 terminal cover assembly instructions -
IL012281EN

Power Defense Frame 3 rear connection installation instructions -
IL012300EN

Power Defense Frame 3 locking devices and handle block instructions -
IL012150EN

Power Defense Frame 3 terminal spreader assembly instructions -
IL012301EN

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

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

Power Defense Frame 3 handle mech direct rotary handle instructions -
IL012111EN

Power Defense Frame 3 Aux, Alarm, ST and UVR Animated
Instructions.rh

Power Defense Frame 3 reverse feed connector kit Cat Num

PDG3X3(2)(4)TA400HRF instructions - IL012252EN

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

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 adapter kit installation instructions LZM3 to
PD3 - IL012227EN

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

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

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 Variable Depth Rotary Handle
Animated Instructions.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 Aux, Alarm, Shunt Trip, and UVR How-To
Video

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

Power Defense Frame 3 Trip Unit Installation How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense molded case circuit breakers

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Frame 5 Trip Unit How-To Video

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

Power Defense Breakers

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

Specifications and datasheets

Eaton Specification Sheet - PDG33M0600MSAN

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 circuit protection yields space savings

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Making a better machine

Intelligent power starts with accurate, actionable data

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)