

Specifications

Photo is representative

Eaton

PDG33M0600E2NN

Power Defense Globally Rated, Frame 3,
Three Pole, 600A, 65kA/480V, PXR20 LSI TU,
No Terminals

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG33M0600E2NN
UPC	786679224786
PRODUCT LENGTH/DEPTH	109.1 mm
PRODUCT HEIGHT	257.1 mm
PRODUCT WIDTH	138.9 mm
PRODUCT WEIGHT	5.92 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	IEC 60947-2 UL 489 CSA CCC Marked

Delivery program

AMPERAGE RATING	600 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	3
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
INTERRUPT RATING RANGE	22 kAIC Icu @250 Vdc 100 kAIC @240V (UL)
TRIP RATING	600 A

General information

CIRCUIT BREAKER TYPE	PD3 Global
CLASS	Class A
TRIP TYPE	T283

Technical data - Mechanical - Terminals

TERMINALS	No Terminals
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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG33M0600E2NN 3D drawing
APPLICATION NOTES	Power Xpert Protection Manager x64 Consulting application guide - molded case circuit breakers
BROCHURES	StrandAble terminals product aid Power Defense brochure Power Defense technical selling booklet Power Defense molded case circuit breaker selection poster
CATALOGS	Power Xpert Release trip units for Power Defense molded case circuit breakers Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
CERTIFICATION REPORTS	PDG3B 450A-600A CB report PDG3 CSA certification 100-400a PDG3 CSA certification 250-600a PDG3 UL authorization 250-600a TMTU PDG3 UL authorization 100-400a

	PDG3 45-400A CB report EU Declaration of Conformity - Power Defense molded case circuit breakers PDG3 UL authorization 250-600a PXR
INSTALLATION INSTRUCTIONS	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 box terminal installation instructions - IL012299EN Power Defense Frame 3 terminal kit Cat Num PDG3X3(2)(4)TA400RE instructions - IL012251EN 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 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 4 shunt trip UVR instructions - IL012129EN Power Defense Frame 3 plug-in adapter installation instructions - IL012311EN

[Power Defense Frame 3
adapter kit installation
instructions L2M3 to PD3 -
IL012227EN](#)

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

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

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

[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
rear connection
installation instructions -
IL012300EN](#)

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

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

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

	Power Defense Frame 3 terminal cover assembly instructions - IL012281EN
	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 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN
	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 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006WSW instructions - IL012250EN
	Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh
	Power Defense Frame 3 trip unit replacement animated instructions.rh
INSTALLATION VIDEOS	Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh
	Power Defense Frame 3 Shunt Trip UVR Animated Instructions.pdf.rh
	Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated Instructions.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 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 Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 5 Trip Unit How-To Video Power Defense Breakers
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG33M0600E2NN
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	Implementation of arc flash mitigating solutions at industrial manufacturing facilities Making a better machine Single and double break MCCB performance revisited Molded case and low-voltage power circuit breaker health Intelligent power starts with accurate, actionable data

[Intelligent circuit
protection yields space
savings](#)

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

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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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