

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

PRODUCT NAME	Eaton Power Defense motor protection circuit breaker
CATALOG NUMBER	PDG33MH400MSAN
UPC	786679573884
PRODUCT LENGTH/DEPTH	109.1 mm
PRODUCT HEIGHT	257.1 mm
PRODUCT WIDTH	138.9 mm
PRODUCT WEIGHT	5.61 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	UL 489 CSA CCC Marked 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](#)

	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 - PDG33MH400MSAN
TIME/CURRENT CURVES	Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3 Power Defense time current curve Frame 3 - PD3
	Intelligent circuit protection yields space savings Implementation of arc flash mitigating solutions at industrial manufacturing facilities Intelligent power starts with accurate, actionable data
WHITE PAPERS	Single and double break MCCB performance revisited Molded case and low-voltage power circuit breaker health Making a better machine 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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