

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
PRODUCT TYPE	Motor protection circuit breaker

Delivery program

AMPERAGE RATING	400A High Override
FRAME	3
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical data - Mechanical - Terminals

TERMINALS	No Terminals
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General information

CIRCUIT BREAKER TYPE	PD3 Global
CLASS	Class A

Technical data - Mechanical

SWITCH OFF TECHNIQUE	Thermomagnetic
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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 brochure](#)

[Power Defense technical
selling booklet](#)

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

CATALOGS

[Circuit Protection, Molded
Case Circuit Breakers,
Volume 4, Tab 2](#)

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

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

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

CERTIFICATION REPORTS

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

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

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

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

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

INSTALLATION
INSTRUCTIONS

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

[Power Defense Frame 3
reverse feed connector kit
Cat Num
PDG3X3\(2\)\(4\)TA630RF
instructions - IL012253EN](#)

[Power Defense Frame 3
reverse feed connector kit
Cat Num
PDG3X3\(2\)\(4\)TA400HRE
instructions - IL012252EN](#)

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

[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
finger protection assembly
installation instructions -
IL012279EN](#)

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

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

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

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

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

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

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

[Power Defense Frame 3
locking devices and handle
block instructions -
IL012150EN](#)

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

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

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

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

[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
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 Aux, Alarm, ST and UVR Animated Instructions.rh
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 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 Trip Unit Installation How-To Video Power Defense Frame 3 Direct Rotary Handle Mechanism Installation How-To Video 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 Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video

	Power Defense Breakers Power Defense molded case circuit 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
	Single and double break MCCB performance revisited Implementation of arc flash mitigating solutions at industrial manufacturing facilities Molded case and low-voltage power circuit breaker health
WHITE PAPERS	Intelligent circuit protection yields space savings Intelligent power starts with accurate, actionable data Making a better machine Safer by design: arc energy reduction techniques Molded case and low-voltage breaker health

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

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