

Specifications



Photo is representative



Eaton PDG33M0250MSAJ

Eaton Power Defense motor circuit protector, Globally Rated, Frame 3 Motor Circuit Protector, Three Pole, 250A, 65kA/480V, Adjustable Instantaneous Standard Calibrations, Standard Line and Load

General specifications

PRODUCT NAME	Eaton Power Defense motor circuit protector
CATALOG NUMBER	PDG33M0250MSAJ
UPC	786679380307
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	IEC 60947-2 CCC Marked CSA UL 489
PRODUCT TYPE	Motor circuit protector



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Delivery program

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

General information

CIRCUIT BREAKER TYPE	PD3 Global
CLASS	Class A

Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load
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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG33M0250MSAJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers StrandAble terminals product aid Power Defense molded case circuit breaker selection poster Power Defense technical selling booklet Power Defense brochure
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 PDG3 CSA certification 250-600a PDG3 CSA certification 100-400a PDG3 UL authorization 250-600a TMTU PDG3 45-400A CB report
CERTIFICATION REPORTS	PDG3 UL authorization 100-400a EU Declaration of Conformity - Power Defense molded case circuit breakers PDG3B 450A-600A CB report
INSTALLATION INSTRUCTIONS	Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

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

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

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

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

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

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

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

[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\(2\)\(4\)TA6006W Instructions - IL012248EN](#)

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

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

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

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

[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 Breaker Instructions \(IL012107EN\).pdf](#)

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

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

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

[Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

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

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

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

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

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

[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](#)

INSTALLATION VIDEOS

[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 Shunt Trip UVR Animated Instructions.pdf.rh](#)

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

[Power Defense Frame 3 Trip Unit Installation How-To Video](#)

[Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To Video](#)

MULTIMEDIA

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

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

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

	Power Defense molded case circuit breakers Power Defense Frame 5 Trip Unit How-To Video Power Defense Breakers Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG33M0250MSAJ
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	Molded case and low-voltage power circuit breaker health Implementation of arc flash mitigating solutions at industrial manufacturing facilities Making a better machine Single and double break MCCB performance revisited Intelligent circuit protection yields space savings Intelligent power starts with accurate, actionable data 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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PDG3X3\(2\)\(4\)TA6006WSW
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INSTALLATION VIDEOS

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Locking Devices and
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Variable Depth Rotary
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PROJECT NUMBER:

PREPARED BY:

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