

Specifications

Photo is representative



Eaton PDG13M0100MH AJ

Eaton Power Defense motor circuit protector, Globally Rated, Frame 1 Motor Circuit Protector, Three Pole, 100A, 65kA/480V, Adjustable Instantaneous High Calibrations, Standard Line and Load

General specifications

PRODUCT NAME	Eaton Power Defense motor circuit protector
CATALOG NUMBER	PDG13M0100MH AJ
UPC	786679208083
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	139.7 mm
PRODUCT WIDTH	76.2 mm
PRODUCT WEIGHT	1.36 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	100 A
FRAME	1
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load
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General information

CIRCUIT BREAKER TYPE	PD1 Global
CLASS	Class A

Technical data - Mechanical

SWITCH OFF TECHNIQUE	Thermomagnetic
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
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INTERRUPT RATING RANGE

35 kAIC Icu at 250 Vdc
35 kAIC Icu at 125 Vdc
70 kAIC Icu/50 kAIC Ics/154 kAIC Icm at 380-415 V (IEC)
100 kAIC Icu/100 kAIC Ics/220 kAIC Icm at 240 V (IEC)
65 kAIC at 480 V (UL)
100 kAIC at 240 V (UL)
25 kAIC at 600 V (UL/CSA)

Resources**3D CAD DRAWING PACKAGE**

[Eaton Power Defense MCCB PDG13M0100MHAJ 3D drawing](#)

APPLICATION NOTES

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

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

BROCHURES

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

[Power Defense molded case circuit breakers - Frame 1 product aid](#)

CATALOGS

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

[PDG1 CSA certification](#)

[Power Defense Declaration concerning California's Proposition 65](#)

CERTIFICATION REPORTS

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

[PDG1 UL authorization](#)

[PDG1 CCC certification](#)

INSTALLATION INSTRUCTIONS

[Power Defense Frame 1 UL global terminal shield cover IP30 3P - IL012174EN](#)

[Power Defense Frame 1 UL global screw terminal end cap kit 125A 3P - IL012163EN](#)

[Power Defense Frame 1 Instructions - IL012152EN](#)

[Power Defense Frame 1 UL global DIN rail adapter metal three pole - IL012187EN](#)

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

[Power Defense Frame 1 UL
global DIN rail adapter 2, 3, 4-
pole - IL012185EN](#)

[Power Defense Frame 1 UL
global DIN rail adapter three or
four pole - IL012186EN](#)

[Power Defense Frame 1 UL
global screw terminal end cap
kit metric 125A 3P -
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handle mech installation
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[Power Defense Frame 1 UL
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\(aluminum\) 125A 3P -
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[Power Defense Frame 1 UL
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Lock Hasp - IL012225EN](#)

[Power Defense Frame 1 UL
global handle block
padlockable off only -
IL012179EN](#)

[Power Defense Frame 1 UL
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[Power Defense padlockable
handle lock hasp top off only
installation instructions -
IL012226EN](#)

[Power Defense Frame 1 UL
global box terminal \(steel\)
125A 3P - IL012165EN H03](#)

[Power Defense Frame 1 UL
global lock padlockable handle
hasp IL012180EN](#)

INSTALLATION VIDEOS

[Power Defense Frame 1 UL
Global Aux, Alarm, ST and
UVR Animated Instructions.rh](#)

MULTIMEDIA

[Power Defense molded case
circuit breakers](#)

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

[Power Defense Breakers](#)

	Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video Eaton Power Defense for superior arc flash safety Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 5 Trip Unit How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG13M0100MHAJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 1 - PDG1 Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3
WHITE PAPERS	Single and double break MCCB performance revisited 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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