

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 |
|-----------------------|---------|

Technical data - Mechanical - Terminals

| | |
|------------------|------------------------|
| TERMINALS | Standard Line and Load |
|------------------|------------------------|

General information

| | |
|-----------------------------|------------|
| CIRCUIT BREAKER TYPE | PD1 Global |
| CLASS | Class A |

Technical data - Mechanical

| | |
|-----------------------------|----------------|
| SWITCH OFF TECHNIQUE | Thermomagnetic |
|-----------------------------|----------------|

Technical information

| | |
|-------------------------|--------------------|
| INTERRUPT RATING | 65 kAIC at 480 Vac |
|-------------------------|--------------------|

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-
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[Power Defense Frame 1 UL
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[Power Defense Frame 1 UL
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kit metric 125A 3P -
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[Power Defense Frame 1 UL
Global variable depth rotary
handle mech installation
instructions - IL012308EN](#)

[Power Defense Frame 1 UL
global tunnel terminal
\(aluminum\) 125A 3P -
IL012166EN H03](#)

[Power Defense Frame 1 UL
global handle block non
padlockable - IL012177EN](#)

[Power Defense Frame 1 UL
global interphase barrier
instructions - IL012313EN](#)

[Power Defense Frame 1 UL
global Padlockable Handle
Lock Hasp - IL012225EN](#)

[Power Defense Frame 1 UL
global handle block
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IL012179EN](#)

[Power Defense Frame 1 UL
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padlockable - IL012178EN](#)

[Power Defense Frame 1 UL
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IL012176EN](#)

[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](#)

| | |
|--------------------------------------|---|
| | <p>Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Eaton Power Defense for superior arc flash safety</p> <p>Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 5 Trip Unit How-To Video</p> |
| SPECIFICATIONS AND DATASHEETS | Eaton Specification Sheet - PDG13M0100MHAJ |
| TIME/CURRENT CURVES | <p>Power Defense time current curve Frame 1 - PDG1</p> <p>Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</p> |
| WHITE PAPERS | <p>Single and double break MCCB performance revisited</p> <p>Molded case and low-voltage breaker health</p> <p>Safer by design: arc energy reduction techniques</p> |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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