

# 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

<b>PRODUCT NAME</b>	Eaton Power Defense motor circuit protector
<b>CATALOG NUMBER</b>	PDG13M0100MH AJ
<b>UPC</b>	786679208083
<b>PRODUCT LENGTH/DEPTH</b>	76 mm
<b>PRODUCT HEIGHT</b>	139.7 mm
<b>PRODUCT WIDTH</b>	76.2 mm
<b>PRODUCT WEIGHT</b>	1.36 kg
<b>WARRANTY</b>	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.
<b>COMPLIANCES</b>	RoHS Compliant
<b>CERTIFICATIONS</b>	IEC 60947-2 UL 489 CSA CCC Marked

### Delivery program

<b>AMPERAGE RATING</b>	100 A
<b>FRAME</b>	1
<b>NUMBER OF POLES</b>	Three-pole

### Technical data - Electrical

<b>VOLTAGE RATING</b>	600 Vac
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### Technical data - Mechanical - Terminals

<b>TERMINALS</b>	Standard Line and Load
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### General information

<b>CIRCUIT BREAKER TYPE</b>	PD1 Global
<b>CLASS</b>	Class A

### Technical data - Mechanical

<b>SWITCH OFF TECHNIQUE</b>	Thermomagnetic
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### Technical information

<b>INTERRUPT RATING</b>	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  
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four pole - IL012186EN](#)

[Power Defense Frame 1 UL  
global screw terminal end cap  
kit metric 125A 3P -  
IL012171EN](#)

[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  
padlockable off only -  
IL012179EN](#)

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

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

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

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**PROJECT NAME:**

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**PROJECT NUMBER:**

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**PREPARED BY:**

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**DATE:**

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