

# Specifications

Photo is representative

## Eaton PDG13M0100MHAJ

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>	PDG13M0100MHAJ
<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
<b>PRODUCT TYPE</b>	Motor circuit protector



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## 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
	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)
<b>INTERRUPT RATING RANGE</b>	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 molded case circuit breaker selection poster](#)

BROCHURES [Power Defense technical selling booklet](#)

[Power Defense brochure](#)

[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 [PDG1 UL authorization](#)

[PDG1 CCC certification](#)

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

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

INSTALLATION INSTRUCTIONS [Power Defense Frame 1 UL Global variable depth rotary handle mech installation instructions - IL012308EN](#)

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

[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 interphase  
barrier - IL012176EN](#)

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

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

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

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

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

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

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

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

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

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

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

[Power Defense Frame 1  
UL global Padlockable  
Handle Lock Hasp -  
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	<a href="#">Power Defense Frame 1 UL global screw terminal end cap kit metric 125A 3P - IL012171EN</a>
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MULTIMEDIA	<a href="#">Power Defense molded case circuit breakers</a> <a href="#">Power Defense Frame 6 Trip Unit How-To Video</a> <a href="#">Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video</a> <a href="#">Eaton Power Defense for superior arc flash safety</a> <a href="#">Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</a> <a href="#">Power Defense Breakers</a> <a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a> <a href="#">Power Defense Frame 5 Trip Unit How-To Video</a>
SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - PDG13M0100MHAJ</a>
TIME/CURRENT CURVES	<a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a> <a href="#">Power Defense time current curve Frame 1 - PDG1</a>
WHITE PAPERS	<a href="#">Single and double break MCCB performance revisited</a> <a href="#">Molded case and low-voltage breaker health</a> <a href="#">Safer by design: arc energy reduction techniques</a>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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