

# Eaton PDG13M0100MHAJ

Catalog Number: 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

Photo is representative



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense motor circuit protector	PDG13M0100MHAJ
	UPC
	786679208083
<b>Product Length/Depth</b>	<b>Product Height</b>
76 mm	139.7 mm
<b>Product Width</b>	<b>Product Weight</b>
76.2 mm	1.36 kg
<b>Warranty</b>	<b>Compliances</b>
Eaton Selling Policy 25-000, one (1) year RoHS Compliant from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.	<b>Certifications</b>
	IEC 60947-2
	UL 489
	CSA
	CCC Marked

## Delivery program

### Amperage Rating

100 A

### Frame

1

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD1 Global

### Class

Class A

## Technical data - Electrical

### Voltage rating

600 Vac

## Technical data - Mechanical

### Switch off technique

Thermomagnetic

## Technical data - Mechanical - Terminals

### Terminals

Standard Line and Load

## 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](#)

### Brochures

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

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

### Brochures

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

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

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

[PDG1 CSA certification](#)

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

[PDG1 CCC certification](#)

[PDG1 UL authorization](#)

### Installation instructions

Power Defense Frame 1 UL Global variable depth rotary handle mech installation instructions - IL012308EN

Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole - IL012185EN

Power Defense Frame 1 UL global screw terminal end cap kit metric 125A 3P - IL012171EN

Power Defense Frame 1 Instructions - IL012152EN

Power Defense Frame 1 UL global screw terminal end cap kit 125A 3P - IL012163EN

Power Defense Frame 1 UL global Padlockable Handle Lock Hasp - IL012225EN

Power Defense Frame 1 UL global interphase barrier instructions - IL012313EN

Power Defense Frame 1 UL global terminal shield cover IP30 3P - IL012174EN

Power Defense Frame 1 UL global DIN rail adapter metal three pole - IL012187EN

Power Defense Frame 1 UL global lock padlockable handle hasp IL012180EN

Power Defense Frame 1 UL global handle block padlockable off only - IL012179EN

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 handle block padlockable - IL012178EN

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

Power Defense padlockable handle lock hasp top off only installation instructions - IL012226EN

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 DIN rail adapter three or four pole - IL012186EN

### **Installation videos**

Power Defense Frame 1 UL Global Aux, Alarm, ST and UVR Animated Instructions.rh

### **Multimedia**

Eaton Power Defense for superior arc flash safety

Power Defense Breakers

Power Defense Frame 3 Variable Depth Rotary Handle Mechanism  
Installation How-To Video

Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video

Power Defense molded case circuit breakers

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Frame 5 Trip Unit How-To Video

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism  
Installation 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



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