

# Eaton PDG13M0100MSAN

Catalog Number: PDG13M0100MSAN

Eaton Power Defense motor protection circuit breaker, Globally Rated, Frame 1, Three Pole, 100A, 65kA/480V, Motor protection, Standard Calibration, Adjustable, No Terminals, 65 kAIC at 480 Vac Interrupt Rating

Photo is representative



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense motor protection circuit breaker	PDG13M0100MSAN
	<b>UPC</b>
	786679295311
<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	1.25 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>
	CCC Marked
	CSA
	IEC 60947-2
	UL 489

## 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

No Terminals

## Technical information

### Interrupt rating

65 kAIC at 480 Vac

### Interrupt rating range

65 kAIC at 480 V (UL)

100 kAIC at 240 V (UL)

25 kAIC at 600 V (UL/CSA)

35 kAIC Icu at 125 Vdc

35 kAIC Icu at 250 Vdc

100 kAIC Icu/100 kAIC Ics/220 kAIC Icm at 240 V (IEC)

70 kAIC Icu/50 kAIC Ics/154 kAIC Icm at 380-415 V (IEC)

## Resources

### 3D CAD drawing package

[Eaton Power Defense MCCB PDG13M0100MSAN 3D drawing](#)

### Application notes

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

### Brochures

[Power Defense brochure](#)

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

[Power Defense technical selling booklet](#)

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

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

[PDG1 CCC certification](#)

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

[PDG1 CSA certification](#)

[PDG1 UL authorization](#)

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

### Installation instructions

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 variable depth rotary handle mech  
installation instructions - IL012308EN

Power Defense Frame 1 UL global DIN rail adapter three or four pole -  
IL012186EN

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 screw terminal end cap kit 125A 3P -  
IL012163EN

Power Defense Frame 1 Instructions - IL012152EN

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

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

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

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

Power Defense Frame 1 UL global handle block non padlockable -  
IL012177EN

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 terminal shield cover IP30 3P -  
IL012174EN

### **Installation videos**

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

### **Multimedia**

Power Defense Breakers

Power Defense Frame 3 Variable Depth Rotary Handle Mechanism  
Installation 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](#)

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

[Eaton Power Defense for superior arc flash safety](#)

[Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video](#)

[Power Defense molded case circuit breakers](#)

### Specifications and datasheets

[Eaton Specification Sheet - PDG13M0100MSAN](#)

### 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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