

# Eaton PDG63P1600E2NN

Catalog Number: PDG63P1600E2NN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 6, Three Pole, 1600A, 100kA/480V, PXR20 LSI TU, No Terminals

Photo is representative



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense molded case circuit breaker	PDG63P1600E2NN
	UPC
	786679424728
<b>Product Length/Depth</b>	<b>Product Height</b>
247.7 mm	406.4 mm
<b>Product Width</b>	<b>Product Weight</b>
393.7 mm	77.11 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

1600 A

### Circuit breaker frame type

Complete breaker

### Frame

6

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD6 Global

### Class

Class A

### Trip Type

PXR 20 LSI

## Technical data - Electrical

### Voltage rating

600 Vac

### Voltage rating - max

600 V

## Technical data - Mechanical - Terminals

### Terminals

No Terminals

## Technical information

### Interrupt rating

100 kAIC at 480 Vac

### Interrupt rating range

100 kAIC Icu/ 50 kAIC Ics/ 220 kAIC Icm @380-415V (IEC)

100 kAIC Icu/ 50 kAIC Ics/ 220 kAIC Icm @440V (IEC)

200 kAIC Icu/ 100 kAIC Ics/ 440 kAIC Icm @240V (IEC)

100 kAIC @480/277V (UL)

40 kAIC Icu/ 25 kAIC Ics/ 84 kAIC Icm @525V South Africa (IEC)

65 kAIC @600/347V (UL)

200 kAIC @240V (UL)

35 kAIC Icu/ 18 kAIC Ics/ 73.5 kAIC Icm @690V (IEC)

85 kAIC Icu/ 40 kAIC Ics/ 187 kAIC Icm @480V Brazil (IEC)

### Trip rating

1600 A

## Resources

### 3D CAD drawing package

[Eaton Power Defense PDG63P1600E2NN 3D drawing](#)

### Application notes

[Power Xpert Protection Manager x32](#)

Consulting application guide - molded case circuit breakers

Power Xpert Protection Manager x64

### **Brochures**

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Power Defense brochure

### **Catalogs**

Power Xpert Release trip units for Power Defense molded case circuit breakers

Power Defense molded case circuit breakers - Frame 6 product aid

Molded case circuit breakers catalog

### **Certification reports**

Power Defense Declaration concerning California's Proposition 65

PDG6 UL Authorization

PDG6 CSA certification

PDG5 CCC certification

PDG6 CB report

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG6 CCC certificate

### **Installation instructions**

Power Defense Frame 6 walking beam interlock installation instructions - IL012286EN

Power Defense Frame 6 bar rear connectors (copper), 2000A - 5000A instructions - IL012256EN H01

Power Defense Frame 6 flex shaft handle mech assembly instructions - IL012285EN

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN

Power Defense Frame 6 tunnel terminal (aluminum), 2000A, 3 pole, imperial hardware instructions - IL012255EN H01

Power Defense Frame 6 aux, alarm, shunt trip and uvr instructions - IL012202EN

Power Defense Frame 6 modbus and relay board installation - IL012306EN

Power Defense Frame 6 handle lock hasp installation instructions - IL012292EN

Power Defense Frame 6 key interlock installation instructions - IL012282EN

### **Installation videos**

Power Defense Frame 6 Shunt Trip How-To Video

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

[Power Defense Frame 6 Trip Unit Replacement Animated Instructions](#)

[Power Defense Frame 6 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 6 Aux and Alarm Trip How-To Video](#)

### Multimedia

[Power Defense Frame 5 Trip Unit How-To Video](#)

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

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

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism  
Installation How-To Video](#)

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism  
Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

[Power Defense Breakers](#)

### Specifications and datasheets

[Eaton Specification Sheet - PDG63P1600E2NN](#)

### Time/current curves

[Power Defense time current curve Frame 6 - PD6](#)

### White papers

[Single and double break MCCB performance revisited](#)

[Implementation of arc flash mitigating solutions at industrial manufacturing  
facilities](#)

[Intelligent circuit protection yields space savings](#)

[Molded case and low-voltage power circuit breaker health](#)

[Making a better machine](#)

[Intelligent power starts with accurate, actionable data](#)

[Molded case and low-voltage breaker health](#)

[Safer by design: arc energy reduction techniques](#)



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