

# Eaton PDG43G0600TFAJ

Catalog Number: PDG43G0600TFAJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 4, Three Pole, 600A, 35kA/480V, T-M (Fxd-Adj) TU, Standard Line and Load (PDG4X3TA700)

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Power Defense molded case circuit breaker	PDG43G0600TFAJ
	UPC
	786679462607
<b>Product Length/Depth</b>	<b>Product Height</b>
111.2 mm	406.4 mm
<b>Product Width</b>	<b>Product Weight</b>
209.6 mm	13.2 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>
	UL 489
	CCC Marked
	CSA
	IEC 60947-2



## Delivery program

### Amperage Rating

600 A

### Circuit breaker frame type

Complete breaker

### Frame

4

### Number of poles

Three-pole

## General information

### Circuit breaker type

PD4 Global

### Class

Class A

### Trip Type

T-M (Fxd-Adj) TU

## Technical data - Electrical

### Voltage rating

600 Vac

### Voltage rating - max

600 V

## Technical data - Mechanical - Terminals

### Terminals

Standard Line and Load

## Technical information

### Interrupt rating

35 kAIC at 480 Vac

### Interrupt rating range

65 kAIC @240V (UL)

18 kAIC @600V (UL/CSA)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC)

35 kAIC @480V (UL)

55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC)

36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

20 kAIC Icu/ 16.5 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)

22 kAIC Icu @250 Vdc

8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC)

30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)

## Resources

### 3D CAD drawing package

[Eaton Power Defense MCCB PDG43G0600TFAJ 3D drawing](#)

### Application notes

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

### Brochures

StrandAble terminals product aid

Power Defense molded case circuit breaker selection poster

Power Defense technical selling booklet

Power Defense brochure

Power Defense molded case circuit breakers - Frame 4 product aid

### Catalogs

Molded case circuit breakers catalog

### Certification reports

PDG4 UL authorization PXR

PDG4 CSA certification

PDG4 CCC certification

PDG4 CB report

PDG4 UL authorization TMTU

Power Defense Declaration concerning California's Proposition 65

EU Declaration of Conformity - Power Defense molded case circuit breakers

### Installation instructions

Power Defense Frame 4 handle mech variable depth rotary handle instructions - IL012135EN

Power Defense Frame 4 interphase barrier 3 pole – IL012321EN

Power Defense Frame 4 handle mech direct rotary handle instructions - IL012133EN

Power Defense Frame 4 adapter kit installation LZM4 to PD4 - IL012228EN

Power Defense Frame 4\_5 flex shaft handle mech assembly instructions - IL012284EN

Power Defense Frame 4 trip unit replacement instructions - IL012158EN

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN

Power Defense Frame 4\_5\_6 high performance flex shaft handle mech assembly instructions - IL012296EN

Power Defense Frame 4 Breaker Instructions (IL012108EN).pdf

Power Defense Frame 4 breaker instructions - IL012108EN

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

### Installation videos

Power Defense Frame 4 Trip Unit Replacement Animated Instructions.rh

Power Defense Frame 4 Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 4 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh

Power Defense Frame 4 Variable Depth Rotary Handle Mechanism How-To Video

Power Defense Frame 4 Handle Mech Direct Rotary Handle Animated Instructions.rh

Power Defense Frame 4 Locking Devices and Handle Block Animated Instructions.pdf.rh

Power Defense Frame 4 Shunt Trip\_UVR Animated Instructions.rh

### **Multimedia**

Power Defense Frame 4 Trip Unit Installation How-To Video

Power Defense Frame 4 Aux, Alarm, Shunt Trip, and UVR How-To Video

Power Defense Frame 4 Direct Rotary Handle Mechanism Installation How-To Video

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 molded case circuit breakers

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense Frame 6 Trip Unit How-To Video

### **Specifications and datasheets**

Eaton Specification Sheet - PDG43G0600TFAJ

### **Time/current curves**

Power Defense time current curve Frame 4 - PD4

### **White papers**

Intelligent power starts with accurate, actionable data

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Molded case and low-voltage power circuit breaker health

Single and double break MCCB performance revisited

Making a better machine

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



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