

Eaton PDG43G0800B2NJ

Catalog Number: PDG43G0800B2NJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 4, Three Pole, 800A, 35kA/480V, PXR10 LSI TU, Standard Line and Load (PDG4X3TA800)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG43G0800B2NJ
	UPC
	786679434420
Product Length/Depth	Product Height
406.4 mm	111.2 mm
Product Width	Product Weight
209.6 mm	13.6 kg
Warranty	Compliances
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.	Certifications
	IEC 60947-2
	UL 489
	CCC Marked
	CSA

Delivery program

Amperage Rating

800 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

PXR 10 LSI

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)

22 kAIC Icu @250 Vdc

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

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

35 kAIC @480V (UL)

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

18 kAIC @600V (UL/CSA)

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

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

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

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG43G0800B2NJ 3D drawing](#)

Application notes

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

[Power Xpert Protection Manager x64](#)

[Power Xpert Protection Manager x32](#)

Brochures

StrandAble terminals product aid

Power Defense molded case circuit breaker selection poster

Power Defense brochure

Power Defense technical selling booklet

Power Defense molded case circuit breakers - Frame 4 product aid

Catalogs

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

Molded case circuit breakers catalog

Certification reports

Power Defense Declaration concerning California's Proposition 65

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG4 UL authorization TMTU

PDG4 CCC certification

PDG4 CB report

PDG4 UL authorization PXR

PDG4 CSA certification

Installation instructions

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

Power Defense Frame 4 adapter kit installation LXM4 to PD4 - IL012228EN

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

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

Power Defense Frame 4 interphase barrier 3 pole - IL012321EN

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

Power Defense Frame 4 trip unit replacement instructions - IL012158EN

Power Defense Frame 4 breaker instructions - IL012108EN

Power Defense Frame 4 Breaker Instructions (IL012108EN).pdf

Power Defense Frame 4_5_6 high performance flex shaft handle mech assembly instructions - IL012296EN

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

Installation videos

Power Defense Frame 4 Trip Unit Replacement Animated Instructions.rh

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

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

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

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

Multimedia

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

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 Breakers

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

Power Defense Frame 3 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

Specifications and datasheets

Eaton Specification Sheet - PDG43G0800B2NJ

Time/current curves

Power Defense time current curve Frame 4 - PD4

White papers

Intelligent power starts with accurate, actionable data

Molded case and low-voltage power circuit breaker health

Intelligent circuit protection yields space savings

Making a better machine

Implementation of arc flash mitigating solutions at industrial manufacturing
facilities

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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