

Eaton PDG42K0800E4CN

Catalog Number: PDG42K0800E4CN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 4, Two Pole, 800A, 50kA/480V, PXR20 ARMS LSI w/ CAM Link and Relays, No Terminals

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG42K0800E4CN
	UPC
	786679450079
Product Length/Depth	Product Height
111.2 mm	406.4 mm
Product Width	Product Weight
209.6 mm	12 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
	CSA
	IEC 60947-2
	UL 489
	CCC Marked



Delivery program

Amperage Rating

800 A

Circuit breaker frame type

Complete breaker

Frame

4

Number of poles

Two-pole

General information

Circuit breaker type

PD4 Global

Class

Class A

Trip Type

PXR 20 LSI w/ARMS

Other

Communication

CAM Link

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

50 kAIC at 480 Vac

Interrupt rating range

22 kAIC Icu @250 Vdc

35 kAIC Icu/ 22.5 kAIC Ics/ 73.5 kAIC Icm @480V Brazil (IEC)

50 kAIC Icu/ 50 kAIC Ics/ 105 kAIC Icm @380-415V (IEC)

85 kAIC @240V (UL)

10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @525V South Africa (IEC)

35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @440V (IEC)

50 kAIC @480V (UL)

85 kAIC Icu/ 85 kAIC Ics/ 187 kAIC Icm @240V (IEC)

25 kAIC @600V (UL/CSA)

Trip rating

800 A

Resources

[3D CAD drawing package](#)

Eaton Power Defense MCCB PDG42K0800E4CN 3D drawing

Application notes

Power Xpert Protection Manager x64

Consulting application guide - molded case circuit breakers

Power Xpert Protection Manager x32

Brochures

StrandAble terminals product aid

Power Defense technical selling booklet

Power Defense brochure

Power Defense molded case circuit breaker selection poster

Power Defense molded case circuit breakers - Frame 4 product aid

Catalogs

Molded case circuit breakers catalog

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

Certification reports

PDG4 CSA certification

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG4 UL authorization PXR

PDG4 CB report

PDG4 CCC certification

Power Defense Declaration concerning California's Proposition 65

PDG4 UL authorization TMTU

Installation instructions

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

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 interphase barrier 2 pole – IL012321EN

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

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 4_5 flex shaft handle mech assembly instructions - IL012284EN

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

[instructions – IL012316EN](#)

[Power Defense Frame 4 handle mech variable depth rotary handle](#)

[instructions - IL012135EN](#)

Installation videos

[Power Defense Frame 4 Shunt Trip_UVR Animated Instructions.rh](#)

[Power Defense Frame 4 Locking Devices and Handle Block Animated Instructions.pdf.rh](#)

[Power Defense Frame 4 Variable Depth Rotary Handle Mechanism How-To Video](#)

[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 Trip Unit Replacement 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 2 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

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

[Power Defense Frame 6 Trip Unit 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](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG42K0800E4CN](#)

Time/current curves

[Power Defense time current curve Frame 4 - PD4](#)

White papers

[Intelligent circuit protection yields space savings](#)

[Making a better machine](#)

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

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

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

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

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



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