

Eaton PDG63M2500E3RN

Catalog Number: PDG63M2500E3RN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 6, Three Pole, 2500A, 65kA/480V, PXR20 LSIG w/ Relays, No Terminals

Photo is representative

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG63M2500E3RN
	UPC
	786679401200
Product Length/Depth	Product Height
247.7 mm	406.4 mm
Product Width	Product Weight
393.7 mm	61.23 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
	UL 489
	CCC Marked
	IEC 60947-2
	CSA



Delivery program

Amperage Rating

2500 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 LSIG

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

65 kAIC at 480 Vac

Interrupt rating range

50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC)

65 kAIC @480/277V (UL)

100 kAIC @240V (UL)

30 kAIC Icu/ 25 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC)

35 kAIC @600/347V (UL)

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

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

15 kAIC Icu/ 7.5 kAIC Ics/ 31.5 kAIC Icm @690V (IEC)

50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC)

Trip rating

2500 A

Resources

3D CAD drawing package

[Eaton Power Defense PDG63M2500E3RN 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 brochure

Power Defense molded case circuit breaker selection poster

Catalogs

Power Defense molded case circuit breakers - Frame 6 product aid

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

Molded case circuit breakers catalog

Certification reports

PDG6 CB report

PDG6 CCC certificate

PDG6 CSA certification

Power Defense Declaration concerning California's Proposition 65

PDG6 UL Authorization

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG5 CCC certification

Installation instructions

Power Defense Frame 6 walking beam interlock installation instructions - IL012286EN

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 modbus and relay board installation - IL012306EN

Power Defense Frame 6 key interlock installation instructions - IL012282EN

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

Power Defense Frame 6 handle lock hasp installation instructions - IL012292EN

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

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

Installation videos

Power Defense Frame 6 Trip Unit Replacement Animated Instructions

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

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

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

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

Multimedia

[Power Defense Frame 5 Trip Unit 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](#)

[Power Defense Breakers](#)

[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](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG63M2500E3RN](#)

Time/current curves

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

Warranty guides

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

White papers

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

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

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

[Intelligent circuit protection yields space savings](#)

[Making a better machine](#)

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

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

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



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