

Eaton PDG53K1200E2RN

Catalog Number: PDG53K1200E2RN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Three Pole, 1200A, 50kA/480V, PXR20 LSI w/ Relays, No Terminals

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG53K1200E2RN
	UPC
	786679220573
Product Length/Depth	Product Height
139.7 mm	406.4 mm
Product Width	Product Weight
209.5 mm	21.32 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
	CCC Marked
	CSA
	UL 489

Delivery program

Amperage Rating

1200 A

Circuit breaker frame type

Complete breaker

Frame

5

Number of poles

Three-pole

General information

Circuit breaker type

PD5 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

50 kAIC at 480 Vac

Interrupt rating range

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

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

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

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

25 kAIC @600/347V (UL)

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

85 kAIC @240V (UL)

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

50 kAIC @480/277V (UL)

Trip rating

1200 A

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG53K1200E2RN 3D drawing](#)

Application notes

[Power Xpert Protection Manager x64](#)

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

Brochures

[StrandAble terminals product aid](#)

[Power Defense technical selling booklet](#)

[Power Defense brochure](#)

[Power Defense molded case circuit breaker selection poster](#)

Catalogs

[Power Defense molded case circuit breakers - Frame 5 product aid](#)

[Power Xpert Release trip units for Power Defense molded case circuit breakers](#)

[Molded case circuit breakers catalog](#)

Certification reports

[EU Declaration of Conformity - Power Defense molded case circuit breakers](#)

[PDG5 CB report](#)

[PDG6 CSA certification](#)

[PDG5 UL authorization](#)

[Power Defense Declaration concerning California's Proposition 65](#)

[PDG5 CCC certification](#)

[PDG6 CCC certificate](#)

[PDG5 CSA Certification](#)

Installation instructions

[Power Defense Frame 4_5_6 high performance flex shaft handle mech assembly instructions - IL012296EN](#)

[Power Defense Frame 5 interphase barrier kit 3 pole installation instructions - IL012293EN](#)

[Power Defense Frame 5 breaker status module installation instructions – IL012307EN](#)

[Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN](#)

[Power Defense Frame 5 vertical padlockable handle lock hasp installation instructions - IL012283EN](#)

[Power Defense Frame 5 aux, alarm, shunt trip and uvr instructions \(IL012201EN\).pdf](#)

[Power Defense Frame 5 walking beam installation instructions - IL012290EN](#)

[Power Defense Frame 5 key interlock installation instructions - IL012294EN](#)

[Power Defense Frame 4_5 flex shaft handle mech assembly instructions - IL012284EN](#)

Installation videos

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

[Power Defense Frame 5 Trip Unit Upgrade Relays Board, Animated Instructions.rh](#)

[Power Defense Frame 5 Trip Unit Replacement Animated Instructions](#)

[Power Defense Frame 5 Shunt Trip, Aux and Alarm Trip How-To Video](#)

[Power Defense Frame 5 Aux, Alarm, ST and UVR Animated Instructions.rh1](#)

[Power Defense Frame 5 Trip Unit Upgrade Wire Harnesses, Animated Instructions.rh](#)

Multimedia

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

[Power Defense Frame 5 Trip Unit 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](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG53K1200E2RN](#)

Time/current curves

[Power Defense time current curve Frame 5 - PD5](#)

White papers

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

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

[Making a better machine](#)

[Intelligent circuit protection yields space savings](#)

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

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

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

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



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