

Eaton PDG53K1200E2MN

Catalog Number: PDG53K1200E2MN

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

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG53K1200E2MN
	UPC
	786679213360
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
	UL 489
	CSA
	CCC Marked
	IEC 60947-2

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

Other

Communication

Modbus RTU

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

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

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

85 kAIC @240V (UL)

50 kAIC @480/277V (UL)

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

25 kAIC @600/347V (UL)

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

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

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

Trip rating

1200 A

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG53K1200E2MN 3D drawing](#)

Application notes

[Power Xpert Protection Manager x64](#)

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

Brochures

[StrandAble terminals product aid](#)

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

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

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

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

[PDG6 CSA certification](#)

[PDG5 CSA Certification](#)

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

[PDG5 CB report](#)

[PDG5 CCC certification](#)

[PDG6 CCC certificate](#)

[PDG5 UL authorization](#)

Installation instructions

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

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

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

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

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

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

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

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

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

Installation videos

Power Defense Frame 5 UVR Trip How-To Video

Power Defense Frame 5 Trip Unit Replacement Animated Instructions

Power Defense Frame 5 Aux, Alarm, ST and UVR Animated Instructions.rh1

Power Defense Frame 5 Trip Unit Upgrade Relays Board, Animated Instructions.rh

Power Defense Frame 5 Shunt Trip, Aux and Alarm Trip How-To Video

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 6 Trip Unit How-To Video

Power Defense Breakers

Eaton Power Defense for superior arc flash safety

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

Specifications and datasheets

Eaton Specification Sheet - PDG53K1200E2MN

Time/current curves

Power Defense time current curve Frame 5 - PD5

White papers

Single and double break MCCB performance revisited

Making a better machine

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

Intelligent power starts with accurate, actionable data

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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30 Pembroke Road
Dublin 4, Ireland
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