

Eaton PDG53M1200E5MN

Catalog Number: PDG53M1200E5MN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Three Pole, 1200A, 65kA/480V, PXR20 ARMS LSIG w/ Modbus RTU and Relays, No Terminals

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG53M1200E5MN
	UPC
	786679206843
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
	CCC Marked
	CSA
	UL 489
	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 LSIG w/ARMS

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

65 kAIC at 480 Vac

Interrupt rating range

35 kAIC @600/347V (UL)

100 kAIC @240V (UL)

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

65 kAIC @480/277V (UL)

70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)

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

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

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

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

Trip rating

1200 A

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG53M1200E5MN 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

PDG5 UL authorization

Power Defense Declaration concerning California's Proposition 65

PDG5 CB report

PDG6 CSA certification

PDG5 CSA Certification

PDG5 CCC certification

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG6 CCC certificate

Installation instructions

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 5 vertical padlockable handle lock hasp installation instructions - IL012283EN

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

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

Power Defense Frame 5 breaker status module installation instructions – IL012307EN

Power Defense Frame 5 aux, alarm, shunt trip and uvr instructions
(ILO12201EN).pdf

Installation videos

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 Replacement Animated Instructions

Power Defense Frame 5 UVR 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 molded case circuit breakers

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism
Installation How-To Video

Power Defense Frame 5 Trip Unit How-To Video

Power Defense Frame 6 Trip Unit How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense Breakers

Specifications and datasheets

Eaton Specification Sheet - PDG53M1200E5MN

Time/current curves

Power Defense time current curve Frame 5 - PD5

White papers

Molded case and low-voltage power circuit breaker health

Making a better machine

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing
facilities

Single and double break MCCB performance revisited

Intelligent power starts with accurate, actionable data

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



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