

Eaton PDG53N0800FNNN

Catalog Number: PDG53N0800FNNN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Three Pole, 800A, 85kA/480V, Frame Only, No Terminals



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG53N0800FNNN
	UPC
	786679205730
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
	CCC Marked
	IEC 60947-2
	CSA

Delivery program

Amperage Rating

800 A

Circuit breaker frame type

Frame only

Frame

5

Number of poles

Three-pole

General information

Circuit breaker type

PD5 Global

Class

Class A

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

85 kAIC at 480 Vac

Interrupt rating range

70 kAIC Icu/ 50 kAIC Ics/ 154 kAIC Icm @440V (IEC)

20 kAIC Icu/ 10 kAIC Ics/ 42 kAIC Icm @690V (IEC)

50 kAIC @600/347V (UL)

85 kAIC @480/277V (UL)

65 kAIC Icu/ 40 kAIC Ics/ 143 kAIC Icm @480V Brazil (IEC)

150 kAIC @240V (UL)

150 kAIC Icu/ 100 kAIC Ics/ 330 kAIC Icm @240V (IEC)

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

35 kAIC Icu/ 25 kAIC Ics/ 73.5 kAIC Icm @525V South Africa (IEC)

Resources

Application notes

[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

Molded case circuit breakers catalog

Certification reports

PDG5 UL authorization

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG6 CSA certification

Power Defense Declaration concerning California's Proposition 65

PDG5 CB report

PDG6 CCC certificate

PDG5 CCC certification

PDG5 CSA Certification

Installation instructions

Power Defense Frame 5 breaker status module installation instructions – IL012307EN

Power Defense Frame 5 vertical padlockable handle lock hasp installation instructions - IL012283EN

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 4_5 flex shaft handle mech assembly instructions - IL012284EN

Power Defense Frame 5 walking beam installation instructions - IL012290EN

Power Defense Frame 5 key interlock installation instructions - IL012294EN

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

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

Installation videos

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

Power Defense Frame 5 UVR Trip How-To Video

Power Defense Frame 5 Trip Unit Upgrade Wire Harnesses, Animated Instructions.rh

Multimedia

[Power Defense Breakers](#)

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

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

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

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

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG53N0800FNNN](#)

Time/current curves

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

White papers

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

[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](#)

[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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