

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



Product specifications

Interrupt rating

85 kAIC at 480 Vac

Frame

5

Rated operation voltage (Ue) at AC - max

600

Amperage Rating

800 A

Number of poles

Three-pole

Voltage rating - max

600 V

Type

Frame only

Circuit breaker type

PD5 Global

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)

Switch off technique

Thermomagnetic

Class

Class A

Circuit breaker frame type

Frame only

Terminals

No Terminals

Voltage rating

600 Vac

Resources

Application notes

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

Brochures

[StrandAble terminals product aid](#)

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

[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 CSA Certification](#)

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

[PDG6 CCC certificate](#)

[PDG6 CSA certification](#)

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

[PDG5 CCC certification](#)

[PDG5 UL authorization](#)

[PDG5 CB report](#)

Installation instructions

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

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

[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 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](#)

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

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

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

IL012294EN

Installation videos

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 Aux, Alarm, ST and UVR Animated Instructions.rh1

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

Power Defense Frame 5 UVR Trip How-To Video

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

Multimedia

Eaton Power Defense for superior arc flash safety

Power Defense molded case circuit breakers

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

Power Defense Breakers

Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Frame 5 Trip Unit How-To Video

Specifications and datasheets

Eaton Specification Sheet - PDG53N0800FNNN

Time/current curves

Power Defense time current curve Frame 5 - PD5

White papers

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

Intelligent circuit protection yields space savings

Intelligent power starts with accurate, actionable data

Making a better machine

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health