

Eaton PDG54K0800E5RM

Catalog Number: PDG54K0800E5RM

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Four Pole (100% N), 800A, 50kA/480V, PXR20 ARMS LSIG w/ Relays, No Terminals (Metric Tapped Conductors)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG54K0800E5RM
	UPC
	786679741573
Product Length/Depth	Product Height
139.7 mm	406.4 mm
Product Width	Product Weight
282.7 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
	CSA
	CCC Marked
	IEC 60947-2
	UL 489



Delivery program

Amperage Rating

800 A

Circuit breaker frame type

Complete breaker

Frame

5

Number of poles

Four-pole (100% N)

General information

Circuit breaker type

PD5 Global

Class

Class A

Trip Type

PXR 20 LSIG w/ARMS

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical

Protection

100% neutral protection

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

50 kAIC at 480 Vac

Interrupt rating range

10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC)
25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @525V South Africa (IEC)
85 kAIC @240V (UL)
50 kAIC Icu/ 50 kAIC Ics/ 105 kAIC Icm @380-415V (IEC)
35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @440V (IEC)
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)
50 kAIC @480/277V (UL)

Trip rating

800 A

Resources

3D CAD drawing package

Eaton Power Defense PDG54K0800E5RM 3D drawing

Application notes

Power Xpert Protection Manager x64

Consulting application guide - molded case circuit breakers

Power Xpert Protection Manager x32

Brochures

StrandAble terminals product aid

Power Defense brochure

Power Defense molded case circuit breaker selection poster

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 CCC certification](#)

[PDG6 CSA certification](#)

[PDG5 CB report](#)

[PDG5 CSA Certification](#)

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

[PDG6 CCC certificate](#)

[PDG5 UL authorization](#)

Installation instructions

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

[Power Defense Frame 5 interphase barrier kit 4 pole installation instructions - IL012293EN](#)

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

[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 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](#)

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

Installation videos

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

[Power Defense Breakers](#)

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

[Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

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

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

[Specifications and datasheets](#)

[Eaton Specification Sheet - PDG54K0800E5RM](#)

[Time/current curves](#)

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

[White papers](#)

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

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

[Making a better machine](#)

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

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

[Intelligent circuit protection yields space savings](#)

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

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



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