Product specifications

# Eaton PDG53M0800E4CM

## Catalog Number: PDG53M0800E4CM

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Three Pole, 800A, 65kA/480V, PXR20 ARMS LSI w/ CAM Link and Relays, No Terminals (Metric Tapped Conductors)



Photo is representative

## General specifications

**Product Name**
Eaton Power Defense molded case circuit breaker

**Catalog Number**
PDG53M0800E4CM

**UPC**
786679920398

**Product Length/Depth**
139.7 mm

**Product Height**
406.4 mm

**Product Width**
209.5 mm

**Product Weight**
21.32 kg

**Warranty**
Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

**Compliances**
RoHS Compliant

**Certifications**
IEC 60947-2
UL 489
CCC Marked
CSA

Powering Business Worldwide

## Delivery program

Amperage Rating

800 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 w/ARMS

## Other

Communication

CAM Link

## 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

65 kAIC @480/277V (UL)
70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)
100 kAIC @240V (UL)
100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC)
30 kAIC Icu/ 25 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC)

35 kAIC @600/347V (UL)
50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC)
50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC)
15 kAIC Icu/ 7.5 kAIC Ics/ 31.5 kAIC Icm @690V (IEC)

Trip rating

800 A

## Resources

3D CAD drawing package

Eaton Power Defense PDG53M0800E4CM 3D drawing

## Application notes

Power Xpert Protection Manager x32

Power Xpert Protection Manager x64

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

Power Xpert Release trip units for Power Defense molded case circuit breakers

Molded case circuit breakers catalog

## Certification reports

EU Declaration of Conformity - Power Defense molded case circuit breakers

Power Defense Declaration concerning California's Proposition 65

PDG5 CB report

PDG6 CSA certification

PDG5 UL authorization

PDG6 CCC certificate

PDG5 CCC certification

PDG5 CSA Certification

## 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 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 key interlock installation instructions - IL012294EN

Power Defense Frame 5 walking beam installation instructions - IL012290EN

Power Defense Frame 5 breaker status module installation instructions – IL012307EN

Power Defense Frame 4_5 flex shaft handle mech assembly instructions -

IL012284EN

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

### Installation videos

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

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

Power Defense Frame 5 Trip Unit Replacement Animated Instructions

Power Defense Frame 5 UVR Trip How-To Video

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

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

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 6 Trip Unit How-To Video

### Specifications and datasheets

Eaton Specification Sheet - PDG53M0800E4CM

### Time/current curves

Power Defense time current curve Frame 5 - PD5

### White papers

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

Intelligent circuit protection yields space savings

Single and double break MCCB performance revisited

Making a better machine

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques




Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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