

Eaton PDG23M0080TFFJ

Catalog Number: PDG23M0080TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 80 A, 65kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)

Photo is representative



General specifications

Product Name

Eaton Power Defense molded case
circuit breaker

Catalog Number

PDG23M0080TFFJ

UPC

786679255285

Product Length/Depth

3.5 in

Product Height

6 in

Product Width

4.12 in

Product Weight

4.01 lb

Warranty

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.

Compliances

Certifications

CSA
CCC Marked
IEC 60947-2
UL 489

defaultTaxonomyAttributeLabel

Amperage Rating

80 A

Voltage rating

600 Vac

Trip Type

T-M (Fxd-Fxd) TU

Circuit breaker type

PD2 Global

Circuit breaker frame type

Complete breaker

Terminals

Standard Line and Load

Frame

2

Class

Class A

Interrupt rating

65 kAIC at 480 Vac

Rated operation voltage (Ue) at AC - max

600

Switch off technique

Thermomagnetic

Voltage rating - max

600 V

Interrupt rating range

22 kAIC Icu @250 Vdc

35 kAIC @600V (UL/CSA)

22 kAIC Icu @125 Vdc

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

100 kAIC @240V (UL)

30/25 kAIC Icu/ 15/13 kAIC Ics @525V South Africa (IEC)

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

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

10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC)

65 kAIC @480V (UL)

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

Number of poles

Three-pole

Resources

3D CAD drawing package

Eaton Power Defense MCCB PDG23M0080TFFJ 3D drawing

Application notes

Consulting application guide - molded case circuit breakers

Brochures

Power Defense brochure

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Power Defense molded case circuit breakers - Frame 2 product aid

Catalogs

Molded case circuit breakers catalog

Certification reports

PDG4 CB report

PDG4 CCC certification

Power Defense Declaration concerning California's Proposition 65

PDG2 CB report

EU Declaration of Conformity - Power Defense molded case circuit breakers

Installation instructions

Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN

Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN

Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions (IL012138EN).pdf

Power Defense Frame 2 tunnel terminal (aluminum), 50A, 3 pole instructions - IL012236EN H03

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN

Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN

Power Defense Frame 2 box terminal (steel), 100A, 3 pole instructions - IL012234EN H03

Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole instructions - IL012235EN H03

Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01

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

instructions – IL012316EN

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K

instructions- IL012239EN H01

Power Defense Frame 2 shunt trip UVR instructions - IL012130EN

Power Defense Frame 2 clamp terminal (steel), 20A, 3 pole instructions - IL012246EN H03

Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03

Power Defense Frame 2 locking devices and handle block instructions - IL012149EN

Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN

Power Defense Frame 2 screw terminal_end cap kit, 225A, 3 pole instructions - IL012258EN H01

Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01

Power Defense Frame 2 motor circuit protector (HMCP) - IL012326EN

Power Defense Frame 2 tunnel terminal (aluminum), 100A, 3 pole instructions - IL012237EN H03

Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA150RF instructions - IL012244EN H01

Installation videos

Power Defense Frame 2 withTMTU, Shunt Trip_UVR Animated Instructions.rh

Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh

Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh

Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh

Multimedia

Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR How-To Video

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

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

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 6 Trip Unit How-To Video](#)

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

[Power Defense molded case circuit breakers](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG23M0080TFFJ](#)

Time/current curves

[Power Defense time current curve Frame 2 - PD2](#)

[Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3](#)

Warranty guides

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

White papers

[Intelligent circuit protection yields space savings](#)

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

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

[Making a better machine](#)

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

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



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Eaton House
30 Pembroke Road
Dublin 4, Ireland
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