

Eaton PDG22F0080TFFJ

Catalog Number: PDG22F0080TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 80 A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X2T100)



Photo is representative

General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG22F0080TFFJ

UPC

786679212912

Product Length/Depth

88.9 mm

Product Height

152.4 mm

Product Width

69.9 mm

Product Weight

3.4 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

CCC Marked
UL 489
IEC 60947-2
CSA

Delivery program

Amperage Rating

80 A

Circuit breaker frame type

Complete breaker

Frame

2

Number of poles

Two-pole

General information

Circuit breaker type

PD2 Global

Class

Class A

Trip Type

T-M (Fxd-Fxd) TU

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Line and Load

Technical information

Interrupt rating

25 kAIC at 480 Vac

Interrupt rating range

20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC)

10 kAIC Icu @250 Vdc

35 kAIC @240V (UL)

35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC)

25 kAIC @480V (UL)

10 kAIC Icu @125 Vdc

25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC)

14 kAIC @600V (UL/CSA)

18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG22F0080TFFJ 3D drawing](#)

Application notes

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

Brochures

Power Defense technical selling booklet

Power Defense brochure

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

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG4 CCC certification

PDG4 CB report

PDG2 CB report

Power Defense Declaration concerning California's Proposition 65

Installation instructions

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

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

Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02

Power Defense Frame 2 global interphase barrier 2 pole – IL012324EN

Power Defense Frame 2 tunnel terminal (aluminum), 100A, 2 pole instructions - IL012237EN H02

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

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

Power Defense Frame 2 screw terminal_end cap kit, 225A, 2 pole instructions - IL012257EN H01

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

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

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

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

Power Defense Frame 2 tunnel terminal (aluminum), 150A, 2 pole instructions - IL012238EN H02

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01

Power Defense Frame 2 tunnel terminal (aluminum), 50A, 2 pole

[instructions - IL012236EN H02](#)

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RF](#)

[instructions - IL012245EN H01](#)

[Power Defense Frame 2 box terminal \(steel\), 100A, 2 pole instructions - IL012234EN H02](#)

[Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN](#)

Installation videos

[Power Defense Frame 2 withTMTU, Shunt Trip_UVR Animated Instructions.rh](#)

[Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh](#)

Multimedia

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

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

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

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

Specifications and datasheets

[Eaton Specification Sheet - PDG22F0080TFFJ](#)

Time/current curves

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

White papers

[Making a better machine](#)

[Intelligent circuit protection yields space savings](#)

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

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

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

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



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