

Eaton PDG22F0080TFFL

Catalog Number: PDG22F0080TFFL

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

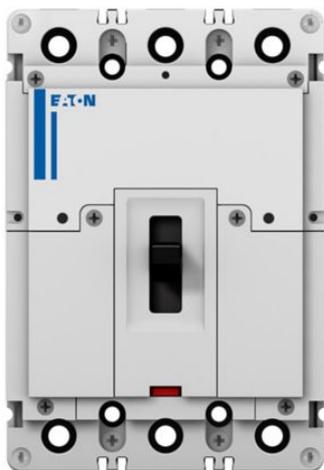


Photo is representative

General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG22F0080TFFL

UPC

786679938836

Product Length/Depth

88.9 mm

Product Height

152.4 mm

Product Width

69.9 mm

Product Weight

2.041 kg

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

IEC 60947-2
UL 489
CCC Marked
CSA



Powering Business Worldwide

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 Terminals Load Only

Technical information

Interrupt rating

25 kAIC at 480 Vac

Interrupt rating range

10 kAIC Icu @250 Vdc

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

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

25 kAIC @480V (UL)

10 kAIC Icu @125 Vdc

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

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

35 kAIC @240V (UL)

14 kAIC @600V (UL/CSA)

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

Resources

3D CAD drawing package

[Eaton Power Defense PDG22F0080TFFL 3D drawing](#)

Application notes

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

Brochures

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Power Defense brochure

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

PDG2 CB report

Power Defense Declaration concerning California's Proposition 65

PDG4 CCC certification

PDG4 CB report

Installation instructions

Power Defense Frame 2 tunnel terminal (aluminum), 50A, 2 pole instructions - IL012236EN H02

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Power Defense Frame 2 global interphase barrier 2 pole – IL012324EN

Installation videos

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

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

Multimedia

Power Defense molded case circuit breakers

Power Defense Frame 6 Trip Unit How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense Frame 5 Trip Unit How-To Video

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

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

Power Defense Breakers

Specifications and datasheets

Eaton Specification Sheet - PDG22F0080TFFL

Time/current curves

Power Defense time current curve Frame 2 - PD2

White papers

Intelligent circuit protection yields space savings

Single and double break MCCB performance revisited

Making a better machine

Molded case and low-voltage power circuit breaker health

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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