

Eaton PDG23F0020TFFN

Catalog Number: PDG23F0020TFFN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 20A, 25kA/480V, T-M (Fxd-Fxd) TU, No Terminals

General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG23F0020TFFN

UPC

786679263525

Product Length/Depth

88.9 mm

Product Height

152.4 mm

Product Width

104.6 mm

Product Weight

1.82 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

CSA IEC 60947-2 UL 489 CCC Marked



Product specifications

Interrupt rating

25 kAIC at 480 Vac

Frame

2

Rated operation voltage (Ue) at AC - max

600

Amperage Rating

20 A

Number of poles

Three-pole

Voltage rating - max

600 V

Circuit breaker type

PD2 Global

Interrupt rating range

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

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

35 kAIC @240V (UL)

10 kAIC Icu @125 Vdc

25 kAIC @480V (UL)

10 kAIC Icu @250 Vdc

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

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

14 kAIC @600V (UL/CSA)

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

Switch off technique

Thermomagnetic

Class

Class A

Circuit breaker frame type

Complete breaker

Terminals

No Terminals

Voltage rating

600 Vac

Trip Type

T-M (Fxd-Fxd) TU

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG23F0020TFFN 3D drawing](#)

Application notes

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

Brochures

[Power Defense molded case circuit breaker selection poster](#)

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

[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 CB report](#)

[PDG4 CCC certification](#)

[PDG2 CB report](#)

[Power Defense Declaration concerning California's Proposition 65](#)

Installation instructions

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RF instructions - IL012245EN H01](#)

[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 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01](#)

[Power Defense Frame 2 locking devices and handle block instructions - IL012149EN](#)

[Power Defense Frame 2 screw terminal_end cap kit, 225A, 3 pole instructions - IL012258EN H01](#)

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

[Power Defense Frame 2 shunt trip UVR instructions - IL012130EN](#)

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

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

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

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

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

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

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

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

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

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

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

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

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 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh

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

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

Multimedia

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

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

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

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

Power Defense Frame 5 Trip Unit 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 Breakers

Specifications and datasheets

Eaton Specification Sheet - PDG23F0020TFFN

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

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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