

Eaton PDG20K0025TFFJ

Catalog Number: PDG20K0025TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Four Pole (0% N), 25A, 50kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X4T100)

General specifications

Product Name

Eaton Power Defense molded case circuit breaker

Catalog Number

PDG20K0025TFFJ

UPC

786679277454

Product Length/Depth

88.9 mm

Product Height

152.4 mm

Product Width

139.5 mm

Product Weight

2.46 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

UL 489
IEC 60947-2
CCC Marked
CSA



Delivery program

Amperage Rating

25 A

Circuit breaker frame type

Complete breaker

Frame

2

Number of poles

Four-pole (0% N)

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

Protection

0% neutral protection

Technical data - Mechanical - Terminals

Terminals

Standard Line and Load

Technical information

Interrupt rating

50 kAIC at 480 Vac

Interrupt rating range

10 kAIC Icu @250 Vdc

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

10 kAIC Icu @125 Vdc

50 kAIC Icu/ 50 kAIC Ics/ 105 kAIC Icm @380-415V (IEC)

25 kAIC @600V (UL/CSA)

85 kAIC Icu/ 85 kAIC Ics/ 187 kAIC Icm @240V (IEC)

85 kAIC @240V (UL)

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

35 kAIC Icu/ 22.5 kAIC Ics/ 73.5 kAIC Icm @480V Brazil (IEC)

35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @440V (IEC)

50 kAIC @480V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG20K0025TFFJ 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](#)

Installation instructions

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

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

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

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 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 Frame 2 Direct Rotary Handle Mechanism Installation How-To Video

Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR 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

Power Defense Frame 5 Trip Unit How-To Video

Specifications and datasheets

Eaton Specification Sheet - PDG20K0025TFFJ

Time/current curves

Power Defense time current curve Frame 2 - PD2

White papers

Molded case and low-voltage power circuit breaker health

Single and double break MCCB performance revisited

Intelligent circuit protection yields space savings

Making a better machine

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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