

Eaton PDF33F0250D3WL

Catalog Number: PDF33F0250D3WL

Power Defense Globally Rated 100% UL, Frame 3, Three Pole, 250A, 25kA/480V, PXR20D LSIG w/ Modbus RTU, ZSI and Relays, Std Term Load Only (PDG3X3TA350)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDF33F0250D3WL
	UPC
	786679805190
Product Length/Depth	Product Height
109.1 mm	257.1 mm
Product Width	Product Weight
138.9 mm	5.92 kg
Warranty	Compliances
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.	Certifications
	IEC 60947-2
	CCC Marked



Delivery program

Amperage Rating

250 A

Circuit breaker frame type

Complete breaker

Frame

3

Number of poles

Three-pole

General information

Circuit breaker type

PD3 Global (100% UL)

Class

Class A

Trip Type

PXR 20D LSIG

Other

Communication

Modbus RTU

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

14 kAIC @600V (UL/CSA)

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

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

25 kAIC @480V (UL)

35 kAIC @240V (UL)

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

10 kAIC Icu @250 Vdc

18 kAIC Icu/ 5 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC)

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

Resources

3D CAD drawing package

[Eaton Power Defense PDF33F0250D3WL 3D drawing](#)

Application notes

[Power Xpert Protection Manager x32](#)

[Power Xpert Protection Manager x64](#)

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

Brochures

[StrandAble terminals product aid](#)

[Power Defense technical selling booklet](#)

[Power Defense brochure](#)

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

Catalogs

[Power Xpert Release trip units for Power Defense molded case circuit breakers](#)

[Molded case circuit breakers catalog](#)

Certification reports

[PDG3 UL authorization 100-400a](#)

[PDG3 UL authorization 250-600a TMTU](#)

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

Installation instructions

[Power Defense Frame 3 Breaker Instructions \(IL012107EN\).pdf](#)

Multimedia

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

[Power Defense Breakers](#)

[Power Defense molded case circuit breakers](#)

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism](#)

[Installation How-To Video](#)

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

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

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

Specifications and datasheets

[Eaton Specification Sheet - PDF33F0250D3WL](#)

Time/current curves

[Power Defense time current curve Frame 3 - PD3](#)

Warranty guides

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

White papers

[Making a better machine](#)

[Intelligent circuit protection yields space savings](#)

[Intelligent power starts with accurate, actionable data](#)

[Implementation of arc flash mitigating solutions at industrial manufacturing facilities](#)

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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