

Eaton PDF33G0250E4XN

Catalog Number: PDF33G0250E4XN

Power Defense Globally Rated 100% UL, Frame 3, Three Pole, 250A, 35kA/480V, PXR20 ARMS LSI w/ CAM Link, ZSI and Relays, No Terminals

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDF33G0250E4XN
	UPC
	786679569061
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
	CCC Marked IEC 60947-2

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 20 LSI w/ARMS

Other

Communication

CAM Link

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

35 kAIC at 480 Vac

Interrupt rating range

18 kAIC @600V (UL/CSA)

25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC)

10 kAIC Icu @250 Vdc

65 kAIC @240V (UL)

36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC)

55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC)

35 kAIC @480V (UL)

20 kAIC Icu/ 7.5 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)

30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)

Trip rating

250 A

Resources

[3D CAD drawing package](#)

Eaton Power Defense MCCB PDF33G0250E4XN 3D drawing

Application notes

Power Xpert Protection Manager x64

Consulting application guide - molded case circuit breakers

Power Xpert Protection Manager x32

Brochures

StrandAble terminals product aid

Power Defense brochure

Power Defense molded case circuit breaker selection poster

Power Defense technical selling booklet

Catalogs

Molded case circuit breakers catalog

Power Xpert Release trip units for Power Defense molded case circuit breakers

Certification reports

PDG3 UL authorization 100-400a

Power Defense Declaration concerning California's Proposition 65

PDG3 UL authorization 250-600a TMTU

Installation instructions

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

Multimedia

Power Defense molded case circuit breakers

Eaton Power Defense for superior arc flash safety

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

Power Defense Breakers

Power Defense Frame 6 Trip Unit How-To Video

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

Power Defense Frame 5 Trip Unit How-To Video

Specifications and datasheets

Eaton Specification Sheet - PDF33G0250E4XN

Time/current curves

Power Defense time current curve Frame 3 - PD3

White papers

Intelligent circuit protection yields space savings

Molded case and low-voltage power circuit breaker health

Intelligent power starts with accurate, actionable data

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Making a better machine

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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30 Pembroke Road
Dublin 4, Ireland
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