

Eaton PDF33G0125E5MK

Catalog Number: PDF33G0125E5MK

Power Defense Globally Rated 100% UL, Frame 3, Three Pole, 125A, 35kA/480V, PXR20 ARMS LSIG w/ Modbus RTU and Relays, Std Term Line Only (PDG3X3TA300)

General specifications

| | |
|---|-----------------------|
| Product Name | Catalog Number |
| Eaton Power Defense molded case circuit breaker | PDF33G0125E5MK |
| | UPC |
| | 786679847893 |
| 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

125 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 LSIG w/ARMS

Other

Communication

Modbus RTU

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Terminals Line Only

Technical information

Interrupt rating

35 kAIC at 480 Vac

Interrupt rating range

65 kAIC @240V (UL)

35 kAIC @480V (UL)

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

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

10 kAIC Icu @250 Vdc

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

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

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

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

18 kAIC @600V (UL/CSA)

Trip rating

125 A

Resources

[3D CAD drawing package](#)

[Eaton Power Defense PDF33G0125E5MK 3D drawing](#)

Brochures

[StrandAble terminals product aid](#)

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

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

Catalogs

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

Certification reports

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

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

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

Installation instructions

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

Multimedia

[Power Defense Breakers](#)

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

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

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

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

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

Specifications and datasheets

[Eaton Specification Sheet - PDF33G0125E5MK](#)

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](#)

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

[Making a better machine](#)

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

[Molded case and low-voltage breaker health](#)

[Safer by design: arc energy reduction techniques](#)



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