

# Eaton PDF33F0125E4RL

Catalog Number: PDF33F0125E4RL

Power Defense Globally Rated 100% UL, Frame 3, Three Pole, 125A, 25kA/480V, PXR20 ARMS LSI w/ Relays, Std Term Load Only (PDG3X3TA300)

Photo is representative



## General specifications

|   |                       |
|---|-----------------------|
| <b>Product Name</b>   | <b>Catalog Number</b> |
| Eaton Power Defense molded case circuit breaker   | PDF33F0125E4RL        |
|   | <b>UPC</b>            |
|   | 786679915974          |
| <b>Product Length/Depth</b>   | <b>Product Height</b> |
| 109.1 mm  | 257.1 mm              |
| <b>Product Width</b>  | <b>Product Weight</b> |
| 138.9 mm  | 5.92 kg               |
| <b>Warranty</b>   | <b>Compliances</b>    |
| 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. | <b>Certifications</b> |
|   | IEC 60947-2           |
|   | CCC Marked            |

## 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 LSI w/ARMS

## 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

35 kAIC @240V (UL)

14 kAIC @600V (UL/CSA)

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

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

10 kAIC Icu @250 Vdc

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

25 kAIC @480V (UL)

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

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

### Trip rating

125 A

## Resources

### 3D CAD drawing package

[Eaton Power Defense PDF33F0125E4RL 3D drawing](#)

### Application notes

[Power Xpert Protection Manager x32](#)

Consulting application guide - molded case circuit breakers

Power Xpert Protection Manager x64

### Brochures

StrandAble terminals product aid

Power Defense brochure

Power Defense molded case circuit breaker selection poster

Power Defense technical selling booklet

### Catalogs

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

Molded case circuit breakers catalog

### Certification reports

Power Defense Declaration concerning California's Proposition 65

PDG3 UL authorization 250-600a TMTU

PDG3 UL authorization 100-400a

### Installation instructions

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

### Multimedia

Eaton Power Defense for superior arc flash safety

Power Defense molded case circuit breakers

Power Defense Breakers

Power Defense Frame 5 Trip Unit How-To Video

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

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

Power Defense Frame 6 Trip Unit How-To Video

### Specifications and datasheets

Eaton Specification Sheet - PDF33F0125E4RL

### Time/current curves

Power Defense time current curve Frame 3 - PD3

### White papers

Intelligent power starts with accurate, actionable data

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Molded case and low-voltage power circuit breaker health

Making a better machine

Molded case and low-voltage breaker health



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Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
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