

# Specifications

Photo is representative

## Eaton PDG33M0350TFAJ

Power Defense Globally Rated, Frame 3,  
Three Pole, 350A, 65kA/480V, T-M (Fxd-Adj)  
TU, Std Line Load Term (PDG3X3TA350)

### General specifications

|                                 |                                                                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Power Defense<br>molded case circuit<br>breaker                                                                                                                                               |
| <b>CATALOG NUMBER</b>           | PDG33M0350TFAJ                                                                                                                                                                                      |
| <b>UPC</b>                      | 786679534557                                                                                                                                                                                        |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 109.1 mm                                                                                                                                                                                            |
| <b>PRODUCT HEIGHT</b>           | 257.1 mm                                                                                                                                                                                            |
| <b>PRODUCT WIDTH</b>            | 138.9 mm                                                                                                                                                                                            |
| <b>PRODUCT WEIGHT</b>           | 5.61 kg                                                                                                                                                                                             |
| <b>WARRANTY</b>                 | Eaton Selling Policy 25-<br>000, one (1) year from the<br>date of installation of the<br>Product or eighteen (18)<br>months from the date of<br>shipment of the Product,<br>whichever occurs first. |
| <b>COMPLIANCES</b>              | RoHS Compliant                                                                                                                                                                                      |
| <b>CERTIFICATIONS</b>           | IEC 60947-2<br>CCC Marked<br>CSA<br>UL 489                                                                                                                                                          |

## Delivery program

|                                   |                  |
|-----------------------------------|------------------|
| <b>AMPERAGE RATING</b>            | 350 A            |
| <b>CIRCUIT BREAKER FRAME TYPE</b> | Complete breaker |
| <b>FRAME</b>                      | 3                |
| <b>NUMBER OF POLES</b>            | Three-pole       |

## Technical data - Electrical

|                       |         |
|-----------------------|---------|
| <b>VOLTAGE RATING</b> | 600 Vac |
|-----------------------|---------|

## Technical information

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INTERRUPT RATING</b>       | 65 kAIC at 480 Vac                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>INTERRUPT RATING RANGE</b> | 65 kAIC @480V (UL)<br>22 kAIC Icu @250 Vdc<br>50 kAIC Icu/ 30 kAIC Ics/<br>105 kAIC Icm @480V Brazil (IEC)<br>15 kAIC Icu/ 7.5 kAIC Ics/<br>31.5 kAIC Icm @690V (IEC)<br>70 kAIC Icu/ 53 kAIC Ics/<br>154 kAIC Icm @380-415V (IEC)<br>100 kAIC @240V (UL)<br>100 kAIC Icu/ 100 kAIC Ics/<br>220 kAIC Icm @240V (IEC)<br>50 kAIC Icu/ 40 kAIC Ics/<br>105 kAIC Icm @440V (IEC)<br>30 kAIC Icu/ 15 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC)<br>35 kAIC @600V (UL/CSA) |

## General information

|                             |            |
|-----------------------------|------------|
| <b>CIRCUIT BREAKER TYPE</b> | PD3 Global |
| <b>CLASS</b>                | Class A    |
| <b>TRIP TYPE</b>            | T297       |

## Technical data - Mechanical - Terminals

|                  |                        |
|------------------|------------------------|
| <b>TERMINALS</b> | Standard Line and Load |
|------------------|------------------------|

## Resources

|                        |                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3D CAD DRAWING PACKAGE | <a href="#">Eaton Power Defense MCCB PDG33M0350TFAJ 3D drawing</a>                                                                                                                                                                        |
| APPLICATION NOTES      | <a href="#">Consulting application guide - molded case circuit breakers</a><br><a href="#">StrandAble terminals product aid</a><br><a href="#">Power Defense brochure</a>                                                                 |
| BROCHURES              | <a href="#">Power Defense technical selling booklet</a><br><a href="#">Power Defense molded case circuit breaker selection poster</a>                                                                                                     |
| CATALOGS               | <a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a><br><a href="#">PDG3 UL authorization 100-400a</a><br><a href="#">PDG3B 450A-600A CB report</a><br><a href="#">PDG3 UL authorization 250-600a TMTU</a>   |
| CERTIFICATION REPORTS  | <a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a><br><a href="#">PDG3 45-400A CB report</a><br><a href="#">PDG3 CSA certification 100-400a</a><br><a href="#">PDG3 CSA certification 250-600a</a> |

INSTALLATION  
INSTRUCTIONS

[Power Defense Frame 4  
locking devices and handle  
block instructions -  
IL012151EN](#)

[Power Defense Frame 1-2-  
3-4 IP door barrier  
assembly instructions -  
IL012278EN](#)

[Power Defense Frame 3  
interphase barrier -  
IL012229EN H03](#)

[Power Defense Frame 3  
terminal cover assembly  
instructions - IL012281EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA630RE  
instructions - IL012253EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

[Power Defense Frame 3  
extendable shaft rotary  
handle mech - IL012112EN](#)

[Power Defense Frame 4  
reverse feed connector kit  
instructions for  
PDG4X3\(2\)\(4\)TA800RE  
instructions - IL012254EN](#)

[Power Defense Frame 3  
multi-tap terminal kit Cat  
Num  
PDG3X3\(2\)\(4\)TA6006W  
Instructions - IL012248EN](#)

[Power Defense Frame 3  
terminal spreader  
assembly instructions -  
IL012301EN](#)

[Power Defense Frame 3  
interphase barriers 3-pole  
- IL012229EN H01](#)

[Power Defense Frame 3  
rear connection  
installation instructions -  
IL012300EN](#)

[Power Defense Frame 3  
shunt trip UVR instructions  
- IL012140EN](#)

[Power Defense Frame 3  
handle mech direct rotary  
handle instructions -  
IL012111EN](#)

[Power Defense Frame 3  
locking devices and handle  
block instructions -  
IL012150EN](#)

[Power Defense Frame 3  
Direct Rotary Handle Assy  
With Interlock Version  
Instructions  
\(IL012139EN\).pdf](#)

[Power Defense Frame 3  
trip unit replacement  
instructions - IL012157EN](#)

[Power Defense Frame 3  
finger protection assembly  
installation instructions -  
IL012279EN](#)

[Power Defense Frame 3  
multi wire connector kit -  
PDG3X3\(2\)\(4\)TA4006W  
and  
PDG3X3\(2\)\(4\)TA4003W  
instructions- IL012247EN  
H01](#)

[Power Defense Frame 3  
terminal kit Cat Num  
PDG3X3\(2\)\(4\)TA400RE  
instructions - IL012251EN](#)

[Power Defense Frame 3  
plug-in adapter installation  
instructions - IL012311EN](#)

[Power Defense Frame 4  
shunt trip UVR instructions  
- IL012129EN](#)

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

[Power Defense Frame 3  
adapter kit installation  
instructions LZM3 to PD3 -  
IL012227EN](#)

[Power Defense Frame  
2/3/4/5/6 voltage neutral  
sensor module wiring  
instructions – IL012316EN](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | <a href="#">Power Defense Frame 3<br/>Aux, Alarm, ST and UVR<br/>Animated Instructions.rh</a><br><br><a href="#">Power Defense Frame 3<br/>screw terminal end cap kit<br/>600A, 3 pole - IL012264EN</a><br><br><a href="#">Power Defense Frame 3<br/>box terminal installation<br/>instructions - IL012299EN</a><br><br><a href="#">Power Defense Frame 3<br/>multi-tap terminal kit Cat<br/>Num<br/>PDG3X3(2)(4)TA6006WSW<br/>instructions - IL012250EN</a><br><br><a href="#">Power Defense Frame 3<br/>screw terminal end cap<br/>kit, 400A, 3 pole –<br/>IL012262EN</a> |
| INSTALLATION VIDEOS | <a href="#">Power Defense Frame 3<br/>Locking Devices and<br/>Handle Block Animated<br/>Instructions.pdf.rh</a><br><br><a href="#">Power Defense Frame 3<br/>Shunt Trip UVR Animated<br/>Instructions.pdf.rh</a><br><br><a href="#">Power Defense Frame 3<br/>trip unit replacement<br/>animated instructions.rh</a><br><br><a href="#">Power Defense Frame 3<br/>Handle Mech Direct Rotary<br/>Handle Animated<br/>Instructions.rh</a><br><br><a href="#">Power Defense Frame 3<br/>Handle Mech Variable<br/>Depth Rotary Handle<br/>Animated Instructions.rh</a>          |
| MULTIMEDIA          | <a href="#">Power Defense Frame 3<br/>Aux, Alarm, Shunt Trip,<br/>and UVR How-To Video</a><br><br><a href="#">Power Defense Frame 3<br/>Trip Unit Installation How-<br/>To Video</a><br><br><a href="#">Power Defense Frame 3<br/>Direct Rotary Handle<br/>Mechanism Installation<br/>How-To Video</a><br><br><a href="#">Power Defense molded<br/>case circuit breakers</a><br><br><a href="#">Eaton Power Defense for<br/>superior arc flash safety</a>                                                                                                                   |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | <a href="#">Power Defense Frame 5 Trip Unit How-To Video</a><br><br><a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a><br><br><a href="#">Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</a><br><br><a href="#">Power Defense Frame 6 Trip Unit How-To Video</a><br><br><a href="#">Power Defense Breakers</a> |
| SPECIFICATIONS AND DATASHEETS | <a href="#">Eaton Specification Sheet - PDG33M0350TFAJ</a>                                                                                                                                                                                                                                                                                                                                                 |
| TIME/CURRENT CURVES           | <a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a><br><br><a href="#">Power Defense time current curve Frame 3 - PD3</a>                                                                                                                                                                                                                                       |
|                               | <a href="#">Implementation of arc flash mitigating solutions at industrial manufacturing facilities</a><br><br><a href="#">Single and double break MCCB performance revisited</a><br><br><a href="#">Molded case and low-voltage power circuit breaker health</a>                                                                                                                                          |
| WHITE PAPERS                  | <a href="#">Intelligent power starts with accurate, actionable data</a><br><br><a href="#">Intelligent circuit protection yields space savings</a><br><br><a href="#">Making a better machine</a><br><br><a href="#">Molded case and low-voltage breaker health</a><br><br><a href="#">Safer by design: arc energy reduction techniques</a>                                                                |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

