

Eaton PDG33M0600MSAN

Catalog Number: PDG33M0600MSAN

Eaton Power Defense motor protection circuit breaker, Globally Rated, Frame 3, Three Pole, 600A, 65kA/480V, Motor protection, Standard Calibration, Adjustable, No Terminals

General specifications

| | |
|---|-----------------------|
| Product Name | Catalog Number |
| Eaton Power Defense motor protection circuit breaker | PDG33M0600MSAN |
| | UPC |
| | 786679550533 |
| Product Length/Depth | Product Height |
| 109.1 mm | 257.1 mm |
| Product Width | Product Weight |
| 138.9 mm | 5.61 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 |
| | UL 489 |
| | CSA |



Delivery program

Amperage Rating

600 A

Frame

3

Number of poles

Three-pole

General information

Circuit breaker type

PD3 Global

Class

Class A

Technical data - Electrical

Voltage rating

600 Vac

Technical data - Mechanical

Switch off technique

Thermomagnetic

Technical data - Mechanical - Terminals

Terminals

No Terminals

Technical information

Interrupt rating

65 kAIC at 480 Vac

Interrupt rating range

22 kAIC Icu at 250 Vdc

100 kAIC at 240 V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense MCCB PDG33M0600MSAN 3D drawing](#)

Application notes

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

Brochures

[StrandAble terminals product aid](#)

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

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

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

[PDG3B 450A-600A CB report](#)

[PDG3 CSA certification 100-400a](#)

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

[PDG3 45-400A CB report](#)

[PDG3 CSA certification 250-600a](#)

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

[EU Declaration of Conformity - Power Defense molded case circuit breakers](#)

Installation instructions

Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN

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

Power Defense Frame 4 reverse feed connector kit instructions for PDG4X3(2)(4)TA800RF instructions - IL012254EN

Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 3 interphase barriers 3-pole - IL012229EN H01

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN

Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 plug-in adapter installation instructions - IL012311EN

Power Defense Frame 3 screw terminal end cap kit 600A, 3 pole - IL012264EN

Power Defense Frame 3 screw terminal_end cap kit, 400A, 3 pole – IL012262EN

Power Defense Frame 3 interphase barrier - IL012229EN H03

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN

Power Defense Frame 4 locking devices and handle block instructions - IL012151EN

Power Defense Frame 3 reverse feed connector kit Cat Num PDG3X3(2)(4)TA630RF instructions - IL012253EN

Power Defense Frame 3 extendable shaft rotary handle mech - IL012112EN

Power Defense Frame 3 terminal cover assembly instructions - IL012281EN

Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN

Power Defense Frame 3 terminal kit Cat Num PDG3X3(2)(4)TA400RF instructions - IL012251EN

Power Defense Frame 3 reverse feed connector kit Cat Num PDG3X3(2)(4)TA400HRF instructions - IL012252EN

Power Defense Frame 3 rear connection installation instructions - IL012300EN

Power Defense Frame 3 box terminal installation instructions - IL012299EN

Power Defense Frame 3 trip unit replacement instructions -
IL012157EN

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 multi wire connector kit -
PDG3X3(2)(4)TA4006W and PDG3X3(2)(4)TA4003W instructions-
IL012247EN H01

Power Defense Frame 3 shunt trip UVR instructions - IL012140EN

Power Defense Frame 3 handle mech direct rotary handle instructions -
IL012111EN

Power Defense Frame 3 multi-tap terminal kit Cat Num
PDG3X3(2)(4)TA6006WSW instructions - IL012250EN

Installation videos

Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle
Animated Instructions.rh

Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh

Power Defense Frame 3 trip unit replacement animated instructions.rh

Power Defense Frame 3 Locking Devices and Handle Block Animated
Instructions.pdf.rh

Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated
Instructions.rh

Multimedia

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

Power Defense Frame 3 Trip Unit Installation How-To Video

Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To
Video

Power Defense molded case circuit breakers

Eaton Power Defense for superior arc flash safety

Power Defense Frame 6 Trip Unit How-To Video

Power Defense Breakers

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

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

Power Defense Frame 5 Trip Unit How-To Video

Specifications and datasheets

Eaton Specification Sheet - PDG33M0600MSAN

Time/current curves

Power Defense time current curve Frame 3 - PD3

Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3

White papers

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

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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