

Eaton PDG63M1600KNSM

Catalog Number: PDG63M1600KNSM

Eaton Power Defense molded case switch, Globally Rated, Frame 6, Three Pole, 1600A, 65kA/480V, Molded Case Switch, No Terminals (Metric Tapped Conductors)

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case switch	PDG63M1600KNSM
	UPC
	786687055020
Product Length/Depth	Product Height
247.7 mm	406.4 mm
Product Width	Product Weight
393.7 mm	77.11 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
	UL 489
	IEC 60947-2
	CCC Marked
	CSA

Delivery program

Amperage Rating

1600 A

Circuit breaker frame type

Complete breaker

Frame

6

Number of poles

Three-pole

General information

Circuit breaker type

PD6 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

35 kAIC at 600/347 V (UL)

65 kAIC at 480/277 V (UL)

100 kAIC Icu/100 kAIC Ics/220 kAIC Icm at 240 V (IEC)

100 kAIC at 240 V (UL)

50 kAIC Icu/30 kAIC Ics/105 kAIC Icm at 480 V Brazil (IEC)

15 kAIC Icu/7.5 kAIC Ics/31.5 kAIC Icm at 690 V (IEC)

70 kAIC Icu/50 kAIC Ics/154 kAIC Icm at 380-415 V (IEC)

30 kAIC Icu/25 kAIC Ics/63 kAIC Icm at 525 V South Africa (IEC)

50 kAIC Icu/40 kAIC Ics/105 kAIC Icm at 440 V (IEC)

Resources

3D CAD drawing package

[Eaton Power Defense PDG63M1600KNSM 3D drawing](#)

Application notes

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

Brochures

[Power Defense technical selling booklet](#)

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

[Power Defense brochure](#)

Catalogs

[Power Defense molded case circuit breakers - Frame 6 product aid](#)

[Molded case circuit breakers catalog](#)

Certification reports

[PDG6 CCC certificate](#)

[PDG6 UL Authorization](#)

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

[PDG6 CSA certification](#)

[PDG6 CB report](#)

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

[PDG5 CCC certification](#)

Installation instructions

Power Defense Frame 6 aux, alarm, shunt trip and uvr instructions -
IL012202EN

Power Defense Frame 6 modbus and relay board installation -
IL012306EN

Power Defense Frame 6 handle lock hasp installation instructions -
IL012292EN

Power Defense Frame 6 walking beam interlock installation instructions -
IL012286EN

Power Defense Frame 6 key interlock installation instructions -
IL012282EN

Power Defense Frame 6 bar rear connectors (copper), 2000A - 5000A
instructions - IL012256EN H01

Power Defense Frame 6 flex shaft handle mech assembly instructions -
IL012285EN

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

Power Defense Frame 6 tunnel terminal (aluminum), 2000A, 3 pole,
imperial hardware instructions - IL012255EN H01

Installation videos

Power Defense Frame 6 Trip Unit Replacement Animated Instructions

Power Defense Frame 6 Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 6 Aux and Alarm Trip How-To Video

Power Defense Frame 6 Shunt Trip How-To Video

Power Defense Frame 6 UVR Trip How-To Video

Multimedia

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 6 Trip Unit How-To Video

Eaton Power Defense for superior arc flash safety

Power Defense Breakers

Power Defense molded case circuit breakers

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

Specifications and datasheets

Eaton Specification Sheet - PDG63M1600KNSM

Time/current curves

Power Defense time current curve Frame 6 - PD6

White papers

Single and double break MCCB performance revisited

Intelligent circuit protection yields space savings

Implementation of arc flash mitigating solutions at industrial manufacturing facilities

Intelligent power starts with accurate, actionable data

Making a better machine

Molded case and low-voltage power circuit breaker health

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



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