

Eaton PDG23M0070TFFJ

Catalog Number: PDG23M0070TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 70 A, 65 kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG23M0070TFFJ
	UPC
	786679218518
Product Length/Depth	Product Height
88.9 mm	152.4 mm
Product Width	Product Weight
104.6 mm	4.01 lb
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
	CSA
	IEC 60947-2
	UL 489



Product specifications

Interrupt rating

65 kAIC at 480 Vac

Frame

2

Rated operation voltage (Ue) at AC - max

600

Amperage Rating

70A

Number of poles

Three-pole

Voltage rating - max

600 V

Circuit breaker type

PD2 Global

Interrupt rating range

100 kAIC @240V (UL)

35 kAIC @600V (UL/CSA)

70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)

30/25 kAIC Icu/ 15/13 kAIC Ics @525V South Africa (IEC)

22 kAIC Icu @125 Vdc

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

65 kAIC @480V (UL)

10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC)

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

22 kAIC Icu @250 Vdc

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

Switch off technique

Thermomagnetic

Class

Class A

Circuit breaker frame type

Complete breaker

Terminals

Standard Line and Load

Voltage rating

600 Vac

Trip Type

T-M (Fxd-Fxd) TU

Resources

3D CAD drawing package

Eaton Power Defense MCCB PDG23M0070TFFJ 3D drawing

Application notes

Consulting application guide - molded case circuit breakers

Brochures

Power Defense molded case circuit breaker selection poster

Power Defense brochure

Power Defense technical selling booklet

Power Defense molded case circuit breakers - Frame 2 product aid

Catalogs

Molded case circuit breakers catalog

Certification reports

PDG4 CCC certification

PDG4 CB report

EU Declaration of Conformity - Power Defense molded case circuit breakers

Power Defense Declaration concerning California's Proposition 65

PDG2 CB report

Installation instructions

Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions (IL012138EN).pdf

Power Defense Frame 2 screw terminal_end cap kit, 225A, 3 pole instructions - IL012258EN H01

Power Defense Frame 2 tunnel terminal (aluminum), 50A, 3 pole instructions - IL012236EN H03

Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf

Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN

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

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01

Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01

Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN

Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN

Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN

Power Defense Frame 2 motor circuit protector (HMCP) - IL012326EN

Power Defense Frame 2 box terminal (steel), 100A, 3 pole instructions - IL012234EN H03

Power Defense Frame 2 tunnel terminal (aluminum), 100A, 3 pole instructions - IL012237EN H03

Power Defense Frame 2 shunt trip UVR instructions - IL012130EN

Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole instructions - IL012235EN H03

Power Defense Frame 2 clamp terminal (steel), 20A, 3 pole instructions - IL012246EN H03

Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA150RF instructions - IL012244EN H01

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01

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

Power Defense Frame 2 locking devices and handle block instructions - IL012149EN

Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01

Installation videos

Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh

Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh

Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh

Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh

Power Defense Frame 2 with TMTU, Shunt Trip_UVR Animated Instructions.rh

Multimedia

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

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

Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR How-To Video

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation 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 5 Trip Unit How-To Video

Specifications and datasheets

Eaton Specification Sheet - PDG23M0070TFFJ

Time/current curves

Power Defense time current curve Frame 2 - PD2

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

PD2, PD3

White papers

Intelligent circuit protection yields space savings

Making a better machine

Molded case and low-voltage power circuit breaker health

Single and double break MCCB performance revisited

Safer by design: arc energy reduction techniques

Molded case and low-voltage breaker health



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