

Eaton PDG23N0150P8WK

Catalog Number: PDG23N0150P8WK

Power Defense Globally Rated, Frame 2, Three Pole, 150A, 85kA/480V, PXR25 LSI Motor Protection w/ Modbus RTU, ZSI and Relays, Standard Terminals Line Only (PDG2X3TA225)

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG23N0150P8WK
	UPC
	786679983201
Product Length/Depth	Product Height
88.9 mm	152.4 mm
Product Width	Product Weight
104.6 mm	1.82 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
	CSA
	CCC Marked

Delivery program

Amperage Rating

150 A

Circuit breaker frame type

Complete breaker

Frame

2

Number of poles

Three-pole

General information

Circuit breaker type

PD2 Global

Class

Class A

Trip Type

PXR 25 Motor Protection LSI

Other

Communication

Modbus RTU

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Terminals Line Only

Technical information

Interrupt rating

85 kAIC at 480 Vac

Interrupt rating range

85 kAIC @480V (UL)

150 kAIC Icu/ 100 kAIC Ics/ 330 kAIC Icm @240V (IEC)

22 kAIC Icu @250 Vdc

22 kAIC Icu @125 Vdc

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

150 kAIC @240V (UL)

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

30/25 kAIC @600V (UL/CSA)

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

65 kAIC Icu/ 40 kAIC Ics/ 143 kAIC Icm @480V Brazil (IEC)

70 kAIC Icu/ 50 kAIC Ics/ 154 kAIC Icm @440V (IEC)

Resources

3D CAD drawing package

Eaton Power Defense PDG23N0150P8WK 3D drawing

Application notes

Power Xpert Protection Manager x64

Power Xpert Protection Manager x32

Consulting application guide - molded case circuit breakers

Brochures

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Power Defense brochure

Power Defense molded case circuit breakers - Frame 2 product aid

Catalogs

Molded case circuit breakers catalog

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

Certification reports

PDG4 CCC certification

Power Defense Declaration concerning California's Proposition 65

PDG4 CB report

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG2 CB report

Installation instructions

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

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

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

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

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

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

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

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

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

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

Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole

[instructions - IL012235EN H03](#)

[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 locking devices and handle block instructions - IL012149EN](#)

[Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN](#)

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

[Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01](#)

[Power Defense Frame 2 bell alarm switch instructions - IL012154EN](#)

[Power Defense Frame 2 Bell Alarm Switch Instructions \(IL012154EN\).pdf](#)

[Power Defense Frame 2 shunt trip UVR instructions - IL012130EN](#)

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

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

[Power Defense Frame 2 screw terminal_end cap kit, 225A, 3 pole instructions - IL012258EN H01](#)

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RF instructions - IL012245EN H01](#)

Installation videos

[Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh](#)

[Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh](#)

[Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh](#)

[Power Defense Frame 2 withTMTU, Shunt Trip_UVR Animated Instructions.rh](#)

Multimedia

[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 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](#)

[Power Defense Frame 6 Trip Unit How-To Video](#)

[Power Defense Breakers](#)

[Power Defense molded case circuit breakers](#)

[Eaton Power Defense for superior arc flash safety](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG23N0150P8WK](#)

Time/current curves

[Power Defense time current curve Frame 2 - PD2](#)

White papers

[Making a better machine](#)

[Intelligent power starts with accurate, actionable data](#)

[Single and double break MCCB performance revisited](#)

[Intelligent circuit protection yields space savings](#)

[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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