

Specifications

Photo is representative

Eaton PDG23M0100E2RL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 100A, 65kA/480V, PXR20 LSI w/ Relays, Standard Terminals Load Only (PDG2X3T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG23M0100E2RL
UPC	786679974384
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	152.4 mm
PRODUCT WIDTH	104.6 mm
PRODUCT WEIGHT	1.82 kg
WARRANTY	Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	IEC 60947-2 CCC Marked UL 489 CSA



Powering Business Worldwide

Delivery program

AMPERAGE RATING	100 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
INTERRUPT RATING RANGE	22 kAIC Icu @250 Vdc 100 kAIC @240V (UL) 35 kAIC @600V (UL/CSA) 22 kAIC Icu @125 Vdc 50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC) 10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC) 100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC) 50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC) 65 kAIC @480V (UL) 30/25 kAIC Icu/ 15/13 kAIC Ics @525V South Africa (IEC) 70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC) 25 kAIC @600V (UL/CSA)
TRIP RATING	100 A

General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T283

Technical data - Mechanical - Terminals

TERMINALS	Standard Terminals Load Only
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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense PDG23M0100E2RL 3D drawing
APPLICATION NOTES	Power Xpert Protection Manager x32 Consulting application guide - molded case circuit breakers Power Xpert Protection Manager x64
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	Power Xpert Release trip units for Power Defense molded case circuit breakers Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
CERTIFICATION REPORTS	PDG4 CB report EU Declaration of Conformity - Power Defense molded case circuit breakers PDG2 CB report

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

[PDG4 CCC certification](#)

[Power Defense Frame 2
Bell Alarm Switch
Instructions
\(ILO12154EN\).pdf](#)

[Power Defense Frame 2
bell alarm switch
instructions - ILO12154EN](#)

[Power Defense Frame 1
IEC and Frame 2 Rotary
Mechanism with NFPA
Handle Attachment
Instructions
\(ILO12260EN\).pdf](#)

[Power Defense Frame 2
tunnel terminal
\(aluminum\), 50A, 3 pole
instructions - ILO12236EN
H03](#)

[Power Defense Frame 2
motor circuit protector
\(HMCP\) - ILO12326EN](#)

[Power Defense Frame 2
multi wire connector kit -
PDG2X3\(2\)\(4\)TA2256W
instructions - ILO12242EN
H01](#)

[Power Defense Frame 2
tunnel terminal kits -
PDG2X1TA225K
instructions- ILO12239EN
H01](#)

[Power Defense Frame 2
tunnel terminal
\(aluminum\), 150A, 3 pole
instructions - ILO12238EN
H03](#)

[Power Defense Frame 2
global terminal shield, 3
pole - ILO12330EN](#)

[Power Defense Frame 2
screw terminal end cap
kit, 225A, 3 pole
instructions - ILO12258EN
H01](#)

INSTALLATION
INSTRUCTIONS

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RE instructions - IL012245EN H01](#)

[Power Defense Frame 2 locking devices and handle block instructions - IL012149EN](#)

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

[Power Defense Frame 2 PDG2 and PDC\(E\)9 breaker instructions - IL012106EN](#)

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

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA150RE instructions - IL012244EN H01](#)

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

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

[Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN](#)

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

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

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

	<p>Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN</p> <p>Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN</p> <p>Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01</p>
<p>INSTALLATION VIDEOS</p>	<p>Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh</p> <p>Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh</p> <p>Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh</p> <p>Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh</p> <p>Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh</p>
<p>MULTIMEDIA</p>	<p>Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR How-To Video</p> <p>Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 5 Trip Unit How-To Video</p>

	Power Defense molded case circuit breakers Power Defense Frame 6 Trip Unit How-To Video Eaton Power Defense for superior arc flash safety Power Defense Breakers
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG23M0100E2RL
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2 Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3
WARRANTY GUIDES	Selling Policy 25-000 - Distribution and Control Products and Services
WHITE PAPERS	Making a better machine Single and double break MCCB performance revisited Intelligent circuit protection yields space savings Intelligent power starts with accurate, actionable data Molded case and low-voltage power circuit breaker health Molded case and low-voltage breaker health Safer by design: arc energy reduction techniques

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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