

Specifications



Photo is representative



Eaton

PDG53M1200E2MN

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 5, Three Pole, 1200A, 65kA/480V, PXR20 LSI w/ Modbus RTU and Relays, No Terminals

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG53M1200E2MN
UPC	786679299739
PRODUCT LENGTH/DEPTH	139.7 mm
PRODUCT HEIGHT	406.4 mm
PRODUCT WIDTH	209.5 mm
PRODUCT WEIGHT	21.32 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 CSA UL 489
PRODUCT TYPE	Molded case circuit breaker

Delivery program

AMPERAGE RATING	1200 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	5
NUMBER OF POLES	Three-pole

Other

COMMUNICATION	Modbus RTU
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Technical data - Mechanical - Terminals

TERMINALS	No Terminals
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General information

CIRCUIT BREAKER TYPE	PD5 Global
CLASS	Class A
TRIP TYPE	T283

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
INTERRUPT RATING RANGE	50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC) 50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC) 30 kAIC Icu/ 25 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC) 100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC) 65 kAIC @480/277V (UL) 70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC) 15 kAIC Icu/ 7.5 kAIC Ics/ 31.5 kAIC Icm @690V (IEC) 100 kAIC @240V (UL) 35 kAIC @600/347V (UL)
TRIP RATING	1200 A

Resources

3D CAD DRAWING
PACKAGE

[Eaton Power Defense
MCCB PDG53M1200E2MN
3D drawing](#)

APPLICATION NOTES

[Power Xpert Protection
Manager x32](#)

[Power Xpert Protection
Manager x64](#)

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

BROCHURES

[StrandAble terminals
product aid](#)

[Power Defense technical
selling booklet](#)

[Power Defense brochure](#)

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

CATALOGS

[Power Defense molded
case circuit breakers -
Frame 5 product aid](#)

[Circuit Protection, Molded
Case Circuit Breakers,
Volume 4, Tab 2](#)

[Power Xpert Release trip
units for Power Defense
molded case circuit
breakers](#)

CERTIFICATION REPORTS

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

[PDG6 CSA certification](#)

[PDG5 CB report](#)

[PDG6 CCC certificate](#)

[PDG5 CCC certification](#)

[PDG5 CSA Certification](#)

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

[PDG5 UL authorization](#)

INSTALLATION
INSTRUCTIONS

[Power Defense Frame 5
walking beam installation
instructions - IL012290EN](#)

[Power Defense Frame 4 5 6 high performance flex shaft handle mech assembly instructions - IL012296EN](#)

[Power Defense Frame 5 key interlock installation instructions - IL012294EN](#)

[Power Defense Frame 5 breaker status module installation instructions - IL012307EN](#)

[Power Defense Frame 4 5 flex shaft handle mech assembly instructions - IL012284EN](#)

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

[Power Defense Frame 5 vertical padlockable handle lock hasp installation instructions - IL012283EN](#)

[Power Defense Frame 5 aux, alarm, shunt trip and uvr instructions \(IL012201EN\).pdf](#)

[Power Defense Frame 5 interphase barrier kit 3 pole installation instructions - IL012293EN](#)

[Power Defense Frame 5 Aux, Alarm, ST and UVR Animated Instructions.rh1](#)

[Power Defense Frame 5 Trip Unit Upgrade Relays Board, Animated Instructions.rh](#)

INSTALLATION VIDEOS

[Power Defense Frame 5 Trip Unit Replacement Animated Instructions](#)

[Power Defense Frame 5 Shunt Trip, Aux and Alarm Trip How-To Video](#)

[Power Defense Frame 5 UVR Trip How-To Video](#)

	Power Defense Frame 5 Trip Unit Upgrade Wire Harnesses. Animated Instructions.rh
MULTIMEDIA	Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Breakers Eaton Power Defense for superior arc flash safety Power Defense Frame 6 Trip Unit How-To Video Power Defense molded case circuit breakers 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 - PDG53M1200E2MN
TIME/CURRENT CURVES	Power Defense time current curve Frame 5 - PD5
WHITE PAPERS	Intelligent power starts with accurate, actionable data Implementation of arc flash mitigating solutions at industrial manufacturing facilities Making a better machine Molded case and low-voltage power circuit breaker health Single and double break MCCB performance revisited Intelligent circuit protection yields space savings 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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