Specifications

Photo is representative

Eaton PDG33M0600E2MN

Power Defense Globally Rated, Frame 3, Three Pole, 600A, 65kA/480V, PXR20 LSI w/ Modbus RTU and Relays, No Terminals

General specifications	
PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG33M0600E2MN
UPC	786679260531
PRODUCT LENGTH/DEPTH	109.1 mm
PRODUCT HEIGHT	257.1 mm
PRODUCT WIDTH	138.9 mm
PRODUCT WEIGHT	5.92 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	UL 489 CCC Marked IEC 60947-2 CSA

Powering Business Worldwide

Delivery program

AMPERAGE RATING	600 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	3
NUMBER OF POLES	Three-pole

General information

CIRCUIT BREAKER TYPE	PD3 Global
CLASS	Class A
TRIP TYPE	T283

Other

COMMUNICATION	Modbus RTU

Technical data - Electrical

VOLTAGE RATING	600 Vac

Technical data - Mechanical - Terminals

TERMINALS	No Terminals

Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
INTERRUPT RATING RANGE	100 kAIC @240V (UL) 22 kAIC Icu @250 Vdc
TRIP RATING	600 A

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG33M0600E2MN 3D drawing
APPLICATION NOTES	Power Xpert Protection Manager x64 Consulting application guide - molded case circuit breakers Power Xpert Protection Manager x32
BROCHURES	StrandAble terminals product aid Power Defense brochure Power Defense molded case circuit breaker selection poster Power Defense technical selling booklet
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 Power Xpert Release trip units for Power Defense molded case circuit breakers
CERTIFICATION REPORTS	PDG3 CSA certification 250-600a PDG3 UL authorization 250-600a TMTU PDG3 UL authorization 100-400a PDG3 CSA certification 100-400a EU Declaration of Conformity - Power Defense molded case circuit breakers PDG3 UL authorization 250-600a PXR PDG3 45-400A CB report PDG3B 450A-600A CB report

INSTALLATION INSTRUCTIONS	Power Defense Frame 3 reverse feed connector kit Cat Num PDG3X3(2)(4)TA400HRF instructions - IL012252EN Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN Power Defense Frame 4 locking devices and handle block instructions - IL012151EN Power Defense Frame 3 interphase barrier - IL012229EN H03 Power Defense Frame 3 extendable shaft rotary handle mech - IL012112EN Power Defense Frame 3 reverse feed connector kit Cat Num PDG3X3(2)(4)TA630RF instructions - IL012253EN Power Defense Frame 3 terminal cover assembly instructions - IL012281EN Power Defense Frame 3 terminal kit Cat Num PDG3X3(2)(4)TA400RF instructions - IL012251EN Power Defense Frame 3 multi wire connector kit - PDG3X3(2)(4)TA4006W and PDG3X3(2)(4)TA4003W instructions- IL012247EN H01 Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN Power Defense Frame 3 trip unit replacement instructions - IL012157EN Power Defense Frame 3 box terminal installation instructions - IL012299EN

Power Defense Frame 3 screw terminal end cap kit, 400A, 3 pole – IL012262EN

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

Power Defense Frame 3 Breaker Instructions (IL012107EN).pdf

Power Defense Frame 3 adapter kit installation instructions LZM3 to PD3 - IL012227EN

Power Defense Frame 4 shunt trip UVR instructions - IL012129EN

Power Defense Frame 3 interphase barriers 3-pole - IL012229EN H01

Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN

Power Defense Frame 4 reverse feed connector kit instructions for PDG4X3(2)(4)TA800RF instructions - IL012254EN

Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006W Instructions - IL012248EN

Power Defense Frame 3 rear connection installation instructions - IL012300EN

Power Defense Frame 3 Direct Rotary Handle Assy With Interlock Version Instructions (IL012139EN).pdf

Power Defense Frame 3 locking devices and handle block instructions - IL012150EN

	Power Defense Frame 3 handle mech direct rotary handle instructions - IL012111EN Power Defense Frame 3 shunt trip UVR instructions - IL012140EN Power Defense Frame 3 plug-in adapter installation instructions - IL012311EN Power Defense Frame 3 screw terminal end cap kit 600A, 3 pole - IL012264EN Power Defense Frame 3 Aux, Alarm, ST and UVR Animated Instructions.rh Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006WSW instructions - IL012250EN
INSTALLATION VIDEOS	Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh Power Defense Frame 3 trip unit replacement animated instructions.rh Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated Instructions.rh Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh
MULTIMEDIA	Power Defense Frame 3 Trip Unit Installation How-To Video Power Defense Frame 3 Direct Rotary Handle Mechanism Installation How-To Video Power Defense Frame 3 Aux, Alarm, Shunt Trip, and UVR How-To Video

	Eaton Power Defense for superior arc flash safety Power Defense molded case circuit breakers Power Defense Frame 6 Trip Unit How-To Video Power Defense Breakers 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 3 Variable Depth Rotary Handle Mechanism Installation How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG33M0600E2MN
TIME/CURRENT CURVES	Power Defense time current curve Frame 3 - PD3 Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3
WHITE PAPERS	Implementation of arc flash mitigating solutions at industrial manufacturing facilities Intelligent circuit protection yields space savings Intelligent power starts with accurate, actionable data Molded case and low-voltage power circuit breaker health Single and double break MCCB performance revisited Making a better machine Safer by design: arc energy reduction techniques Molded case and low-voltage breaker health

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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