

Specifications

Photo is representative



Eaton PDG23G0080TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 80A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG23G0080TFFJ
UPC	786679244531
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 CSA UL 489 CCC Marked

Delivery program

AMPERAGE RATING	80 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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General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T298

Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load
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Technical information	
INTERRUPT RATING	35 kAIC at 480 Vac
INTERRUPT RATING RANGE	25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC)
	35 kAIC @480V (UL)
	55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC)
	8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC)
	30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)
	36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)
	20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)
	10 kAIC Icu @125 Vdc
	18 kAIC @600V (UL/CSA)
	65 kAIC @240V (UL)
	10 kAIC Icu @250 Vdc

Resources	
3D CAD DRAWING PACKAGE	Eaton Power Defense Mccb PDG23G0080TFFJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers
BROCHURES	Power Defense brochure
	Power Defense molded case circuit breaker selection poster
	Power Defense technical selling booklet
	Power Defense molded case circuit breakers - Frame 2 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
CERTIFICATION REPORTS	Power Defense Declaration concerning California's Proposition 65
	PDG4 CCC certification
	PDG4 CB report
	EU Declaration of Conformity - Power Defense molded case circuit breakers
INSTALLATION INSTRUCTIONS	PDG2 CB report
	Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole instructions - IL012235EN 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 tunnel terminal (aluminum), 100A, 3 pole instructions - IL012237EN H03
	Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01
	Power Defense Frame 2 tunnel terminal (aluminum), 50A, 3 pole instructions - IL012236EN H03
	Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN

[Power Defense Frame 2 handle
mech variable depth rotary
handle instructions -
IL012136EN](#)

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

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

[Power Defense Frame 1-2-3-4
IP door barrier assembly
instructions - IL012278EN](#)

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

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

[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
terminal kit -
PDG2X3\(2\)\(4\)TA150RF
instructions - IL012244EN H01](#)

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

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

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

[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 global
terminal shield, 3 pole -
IL012330EN](#)

INSTALLATION VIDEOS	Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.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
	Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh
MULTIMEDIA	Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh
	Power Defense Frame 2 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 3 Variable Depth Rotary Handle Mechanism Installation 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
SPECIFICATIONS AND DATASHEETS	Power Defense Breakers
TIME/CURRENT CURVES	Power Defense Frame 5 Trip Unit How-To Video
WHITE PAPERS	Eaton Specification Sheet - PDG23G0080TFFJ
	Power Defense time current curve Frame 2 - PD2
	Intelligent circuit protection yields space savings
	Molded case and low-voltage power circuit breaker health
	Single and double break MCCB performance revisited
	Making a better machine
	Molded case and low-voltage breaker health

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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