

Specifications

Photo is representative

Eaton PDG22G0030TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 30A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X2T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG22G0030TFFL
UPC	786679945858
PRODUCT LENGTH/DEPTH	3.5 in
PRODUCT HEIGHT	6 in
PRODUCT WIDTH	2.75 in
PRODUCT WEIGHT	2.2 lb
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	CCC Marked IEC 60947-2 UL 489 CSA

Delivery program

AMPERAGE RATING	30 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Two-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

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

General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T298

Technical data - Mechanical - Terminals

TERMINALS	Standard Terminals Load Only
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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense PDG22G0030TFFL 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers Power Defense technical selling booklet Power Defense brochure Power Defense molded case circuit breaker selection poster Power Defense molded case circuit breakers - Frame 2 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 EU Declaration of Conformity - Power Defense molded case circuit breakers PDG4 CB report
CERTIFICATION REPORTS	PDG2 CB report PDG4 CCC certification Power Defense Declaration concerning California's Proposition 65

**INSTALLATION
INSTRUCTIONS**

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

[Power Defense Frame 2 tunnel terminal \(aluminum\), 100A, 2 pole instructions - IL012237EN H02](#)

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

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

[Power Defense Frame 2 global interphase barrier 2 pole - IL012324EN](#)

[Power Defense Frame 2 clamp terminal \(steel\), 20A, 2 pole instructions - IL012246EN H02](#)

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

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

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

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

	Power Defense Frame 2 tunnel terminal (aluminum), 150A, 2 pole instructions - IL012238EN H02
	Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN
	Power Defense Frame 2 tunnel terminal (aluminum), 50A, 2 pole instructions - IL012236EN H02
	Power Defense Frame 2 global terminal shield, 2 pole - IL012330EN
	Power Defense Frame 2 screw terminal end cap kit, 225A, 2 pole instructions - IL012257EN H01
	Power Defense Frame 2 box terminal (steel), 100A, 2 pole instructions - IL012234EN H02
	Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01
	Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN
INSTALLATION VIDEOS	Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh
	Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh
MULTIMEDIA	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 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 Breakers
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG22G0030TFFL
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2 Making a better machine Single and double break MCCB performance revisited Molded case and low-voltage power circuit breaker health Intelligent circuit protection yields space savings Safer by design: arc energy reduction techniques Molded case and low-voltage breaker health

WHITE PAPERS

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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