

Specifications

Photo is representative



Eaton PDG21G0030TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Single Pole, 30A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X1T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG21G0030TFFJ
UPC	786679210055
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	152.4 mm
PRODUCT WIDTH	35.1 mm
PRODUCT WEIGHT	2.041 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 UL 489 CCC Marked CSA

Delivery program

AMPERAGE RATING	30 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Single-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	20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)
	55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC)
	8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC)
	65 kAIC @240V (UL)
	25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC)
	18 kAIC @600V (UL/CSA)
	30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)
	10 kAIC Icu @125 Vdc
	35 kAIC @480V (UL)
	10 kAIC Icu @250 Vdc
	36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

Resources	
3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG21G0030TFFJ 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
CATALOGS	Power Defense molded case circuit breakers - Frame 2 product aid
	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
	PDG4 CCC certification
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
	Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 locking devices and handle block instructions - IL012149EN
	Power Defense Frame 2 tunnel terminal (aluminum), 150A, 1 pole instructions- IL012238EN H01
	Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN
	Power Defense Frame 2 box terminal (steel), 100A, 1 pole instructions - IL012234EN H01
	Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01
	Power Defense Frame 2 clamp terminal (steel), 20A, 1 pole instructions- IL012246EN H01

	Power Defense Frame 2 tunnel terminal (aluminum), 100A, 1 pole instructions - IL012237EN H01 Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN Power Defense Frame 2 box terminal (aluminum), 225A, 1 pole instructions - IL012235EN H01 Power Defense Frame 2 tunnel terminal (aluminum), 50A, 1 pole instructions - IL012236EN H01
INSTALLATION VIDEOS	Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh
MULTIMEDIA	Power Defense molded case circuit breakers Power Defense Frame 6 Trip Unit How-To Video Power Defense Breakers Power Defense Frame 5 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 Eaton Power Defense for superior arc flash safety
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG21G0030TFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
WHITE PAPERS	Intelligent circuit protection yields space savings Single and double break MCCB performance revisited Molded case and low-voltage power circuit breaker health 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:



Eaton Corporation plc

Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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