

Specifications

Photo is representative



Eaton PDG21G0020TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Single Pole, 20A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X1T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG21G0020TFFL
UPC	786687041641
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	55.88 mm
PRODUCT WIDTH	35.1 mm
PRODUCT WEIGHT	0.816466 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	CCC Marked IEC 60947-2 CSA UL 489

Product specifications

AMPERAGE RATING	20 A
VOLTAGE RATING	600 Vac
TRIP TYPE	T298
CIRCUIT BREAKER TYPE	PD2 Global
CIRCUIT BREAKER FRAME TYPE	Complete breaker
TERMINALS	Standard Terminals Load Only
FRAME	2
CLASS	Class A
INTERRUPT RATING	35 kAIC at 480 Vac
RATED OPERATION VOLTAGE (UE) AT AC - MAX	600

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense PDG21G0020TFFL 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers Power Defense brochure Power Defense technical selling booklet
BROCHURES	Power Defense molded case circuit breaker selection poster Power Defense molded case circuit breakers - Frame 2 product aid

SWITCH OFF TECHNIQUE	Thermomagnetic
VOLTAGE RATING - MAX	600 V
INTERRUPT RATING RANGE	10 kAIC Icu @125 Vdc 30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC) 10 kAIC Icu @250 Vdc 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) 36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC) 18 kAIC @600V (UL/CSA) 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) 65 kAIC @240V (UL)
NUMBER OF POLES	Single-pole

CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
	PDG4 CB report
	Power Defense Declaration concerning California's Proposition 65
CERTIFICATION REPORTS	PDG4 CCC certification
	EU Declaration of Conformity - Power Defense molded case circuit breakers
	PDG2 CB report
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 tunnel terminal (aluminum), 100A, 1 pole instructions - IL012237EN H01
	Power Defense Frame 2 box terminal (aluminum), 225A, 1 pole instructions - IL012235EN H01
	Power Defense Frame 2 clamp terminal (steel), 20A, 1 pole instructions- IL012246EN H01
	Power Defense Frame 2 tunnel terminal (aluminum), 50A, 1 pole instructions - IL012236EN H01
	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 locking devices and handle block instructions - IL012149EN
	Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN
	Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN
	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
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	Power Defense Breakers Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 6 Trip Unit 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 Power Defense molded case circuit breakers Eaton Power Defense for superior arc flash safety
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG21G0020TFFL
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
WHITE PAPERS	Intelligent circuit protection yields space savings Molded case and low-voltage power circuit breaker health Making a better machine Single and double break MCCB performance revisited Molded case and low-voltage breaker health Safer by design: arc energy reduction techniques

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

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

© 2025 Eaton. All Rights
Reserved.

Eaton is a registered trademark.

All other trademarks are property of
their respective owners.

Follow us on social media to get the latest
product and support information.

