

Specifications

Photo is representative



Eaton PDG22G0020TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 20A, 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	PDG22G0020TFFL
UPC	786679945636
PRODUCT LENGTH/DEPTH	3.5 in
PRODUCT HEIGHT	6 in
PRODUCT WIDTH	2.75 in
PRODUCT WEIGHT	3.75 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	UL 489 CSA CCC Marked IEC 60947-2

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 PDG22G0020TFFL 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers Power Defense brochure Power Defense molded case circuit breaker selection poster
BROCHURES	Power Defense technical selling booklet Power Defense molded case circuit breakers - Frame 2 product aid

SWITCH OFF TECHNIQUE	Thermomagnetic
VOLTAGE RATING - MAX	600 V
	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)
INTERRUPT RATING RANGE	30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC) 18 kAIC @600V (UL/CSA) 36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC) 10 kAIC Icu @125 Vdc 35 kAIC @480V (UL)
NUMBER OF POLES	Two-pole

CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
	Power Defense Declaration concerning California's Proposition 65
	PDG2 CB report
CERTIFICATION REPORTS	EU Declaration of Conformity - Power Defense molded case circuit breakers
	PDG4 CCC certification
	PDG4 CB report
	Power Defense Frame 2 screw terminal end cap kit, 225A, 2 pole instructions - IL012257EN H01
	Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN
	Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01
	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
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 tunnel terminal (aluminum), 150A, 2 pole instructions - IL012238EN H02
	Power Defense Frame 2 box terminal (steel), 100A, 2 pole instructions - IL012234EN H02
	Power Defense Frame 2 global terminal shield, 2 pole - IL012330EN
	Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN
	Power Defense Frame 2 tunnel terminal (aluminum), 100A, 2 pole instructions - IL012237EN H02
	Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02

	<p>Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf</p> <p>Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01</p> <p>Power Defense Frame 2 global interphase barrier 2 pole – IL012324EN</p> <p>Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01</p> <p>Power Defense Frame 2 locking devices and handle block instructions - IL012149EN</p> <p>Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN</p> <p>Power Defense Frame 2 tunnel terminal (aluminum), 50A, 2 pole instructions - IL012236EN H02</p>
INSTALLATION VIDEOS	<p>Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh</p> <p>Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh</p>
MULTIMEDIA	<p>Eaton Power Defense for superior arc flash safety</p> <p>Power Defense Breakers</p> <p>Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense molded case circuit breakers</p> <p>Power Defense Frame 6 Trip Unit How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 5 Trip Unit How-To Video</p>
SPECIFICATIONS AND DATASHEETS	<p>Eaton Specification Sheet - PDG22G0020TFFL</p>
TIME/CURRENT CURVES	<p>Power Defense time current curve Frame 2 - PD2</p>

WHITE PAPERS

[Single and double break
MCCB performance revisited](#)

[Molded case and low-voltage
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[Making a better machine](#)

[Intelligent circuit protection
yields space savings](#)

[Safer by design: arc energy
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PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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