

Specifications

Photo is representative



Eaton PDG23F0020TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 20A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG23F0020TFFJ
UPC	786679282489
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	146.05 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	CCC Marked IEC 60947-2 UL 489 CSA

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 Line and Load
FRAME	2
CLASS	Class A
INTERRUPT RATING	25 kAIC at 480 Vac
RATED OPERATION VOLTAGE (UE) AT AC - MAX	600

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG23F0020TFFJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers Power Defense technical selling booklet Power Defense molded case circuit breaker selection poster
BROCHURES	Power Defense brochure 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 35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC) 25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 25 kAIC @480V (UL) 14 kAIC @600V (UL/CSA) 18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC) 20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC)
	35 kAIC @240V (UL) 25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC)
NUMBER OF POLES	Three-pole

CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
	PDG2 CB report
	Power Defense Declaration concerning California's Proposition 65
CERTIFICATION REPORTS	EU Declaration of Conformity - Power Defense molded case circuit breakers
	PDG4 CB report
	PDG4 CCC certification
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 tunnel terminal (aluminum), 50A, 3 pole instructions - IL012236EN H03
	Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01
	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 PDG2 and PDC(E)9 breaker instructions - IL012106EN
	Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions (IL012138EN).pdf
	Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01
	Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN
	Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole instructions - IL012235EN H03
	Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN
	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 tunnel terminal (aluminum), 100A, 3 pole instructions - IL012237EN H03
	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)TA150RF instructions - IL012244EN H01
	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 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01
	Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03
	Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN
	Power Defense Frame 2 screw terminal end cap kit, 225A, 3 pole instructions - IL012258EN H01
	Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01
	Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh
	Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh
INSTALLATION VIDEOS	Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh
	Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh
	Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh

MULTIMEDIA	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 2 Aux. Alarm, Shunt Trip, and UVR How-To Video
	Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video
	Eaton Power Defense for superior arc flash safety
	Power Defense Frame 5 Trip Unit How-To Video
	Power Defense molded case circuit breakers
	Power Defense Frame 6 Trip Unit How-To Video
	Power Defense Breakers
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG23F0020TFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
WHITE PAPERS	Molded case and low-voltage power circuit breaker health
	Intelligent circuit protection yields space savings
	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:



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