

Specifications

Photo is representative



Eaton PDG23M0100TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 100A, 65kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG23M0100TFFJ
UPC	786679278307
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	152.4 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	CSA UL 489 IEC 60947-2 CCC Marked

Product specifications

AMPERAGE RATING	100 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	65 kAIC at 480 Vac
RATED OPERATION VOLTAGE (UE) AT AC - MAX	600

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG23M0100TFFJ 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
INTERRUPT RATING RANGE	100 kAIC @240V (UL)
	22 kAIC Icu @125 Vdc
	30/25 kAIC Icu/ 15/13 kAIC Ics @525V South Africa (IEC)
	65 kAIC @480V (UL)
	10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC)
	50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC)
	50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC)
	22 kAIC Icu @250 Vdc
	70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)
	35 kAIC @600V (UL/CSA)
	100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC)
NUMBER OF POLES	Three-pole

CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
CERTIFICATION REPORTS	PDG2 CB report
	PDG4 CCC certification
	EU Declaration of Conformity - Power Defense molded case circuit breakers
	Power Defense Declaration concerning California's Proposition 65
	PDG4 CB report
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01
	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 kits - PDG2X1TA225K instructions- IL012239EN H01
	Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN
	Power Defense Frame 2 locking devices and handle block instructions - IL012149EN
	Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03
	Power Defense Frame 2 clamp terminal (steel), 20A, 3 pole instructions - IL012246EN H03
	Power Defense Frame 2 screw terminal end cap kit, 225A, 3 pole instructions - IL012258EN H01
	Power Defense Frame 2 motor circuit protector (HMCP) - IL012326EN
	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 tunnel terminal \(aluminum\), 100A, 3 pole instructions - IL012237EN H03](#)

[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 1-2-3-4 IP door barrier assembly instructions - IL012278EN](#)

[Power Defense Frame 2 box terminal \(aluminum\), 225A, 3 pole instructions - IL012235EN H03](#)

[Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh](#)

INSTALLATION VIDEOS

[Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh](#)

	Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh
	Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh
MULTIMEDIA	Power Defense Frame 2 Aux. Alarm, Shunt Trip, and UVR How-To Video
	Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video
	Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video
	Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video
	Power Defense Breakers
	Power Defense molded case circuit breakers
	Power Defense Frame 6 Trip Unit How-To Video
	Eaton Power Defense for superior arc flash safety
	Power Defense Frame 5 Trip Unit How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG23M0100TFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
	Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3
WHITE PAPERS	Molded case and low-voltage power circuit breaker health
	Single and double break MCCB performance revisited
	Making a better machine
	Intelligent circuit protection yields space savings
	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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