

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

Delivery program

AMPERAGE RATING	20 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	25 kAIC at 480 Vac
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)

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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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG23F0020TFFJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers Power Defense brochure Power Defense technical selling booklet Power Defense molded case circuit breaker selection poster Power Defense molded case circuit breakers - Frame 2 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 PDG2 CB report EU Declaration of Conformity - Power Defense molded case circuit breakers
CERTIFICATION REPORTS	Power Defense Declaration concerning California's Proposition 65 PDG4 CCC certification PDG4 CB report

**INSTALLATION
INSTRUCTIONS**

[Power Defense Frame 2
tunnel terminal kits -
PDG2X1TA225K
instructions- IL012239EN
H01](#)

[Power Defense Frame 2
shunt trip UVR instructions
- IL012130EN](#)

[Power Defense Frame 2
tunnel terminal
\(aluminum\), 50A, 3 pole
instructions - IL012236EN
H03](#)

[Power Defense Frame 2
global terminal shield, 3
pole - IL012330EN](#)

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

[Power Defense Frame 2
terminal kit -
PDG2X3\(2\)\(4\)TA225RF
instructions - IL012245EN
H01](#)

[Power Defense Frame 2
screw terminal end cap
kit, 225A, 3 pole
instructions - IL012258EN
H01](#)

[Power Defense Frame 2
box terminal \(steel\), 100A,
3 pole instructions -
IL012234EN H03](#)

[Power Defense Frame 2
tunnel terminal
\(aluminum\), 100A, 3 pole
instructions - IL012237EN
H03](#)

[Power Defense Frame 2
handle mech direct rotary
handle instructions -
IL012134EN](#)

[Power Defense Frame 2
terminal kit -
PDG2X3\(2\)\(4\)TA150RF
instructions - IL012244EN
H01](#)

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

[Power Defense Frame 2
clamp terminal \(steel\),
20A, 3 pole instructions -
IL012246EN H03](#)

[Power Defense Frame 2
handle mech variable
depth rotary handle
instructions - IL012136EN](#)

[Power Defense Frame 2
Direct Rotary Handle Assy
With Interlock Version
Instructions
\(IL012138EN\).pdf](#)

[Power Defense Frame 2
locking devices and handle
block instructions -
IL012149EN](#)

[Power Defense Frame 2
multi wire connector kit -
PDG2X3\(2\)\(4\)TA2256W
instructions - IL012242EN
H01](#)

[Power Defense Frame 2
multi wire connector kit -
PDG2X3\(2\)\(4\)TA2253W
instructions - IL012243EN
H01](#)

[Power Defense Frame 2
PDG2 and PDC\(E\)9 breaker
instructions - IL012106EN](#)

[Power Defense Frame 1
IEC and Frame 2 Rotary
Mechanism with NFPA
Handle Attachment
Instructions
\(IL012260EN\).pdf](#)

[Power Defense Frame 2
tunnel terminal
\(aluminum\), 150A, 3 pole
instructions - IL012238EN
H03](#)

[Power Defense Frame
2/3/4/5/6 voltage neutral
sensor module wiring
instructions – IL012316EN](#)

INSTALLATION VIDEOS	Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh
	Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh
	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 Bell Alarm with PXR Animated Instructions.pdf.rh
MULTIMEDIA	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
	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 6 Trip Unit How-To Video
	Power Defense molded case circuit breakers
	Eaton Power Defense for superior arc flash safety
	Power Defense Breakers
SPECIFICATIONS AND DATASHEETS	Power Defense Frame 5 Trip Unit How-To Video
	Eaton Specification Sheet - PDG23F0020TFFJ

TIME/CURRENT CURVES

[Power Defense time
current curve Frame 2 -
PD2](#)

[Intelligent circuit
protection yields space
savings](#)

[Molded case and low-
voltage power circuit
breaker health](#)

WHITE PAPERS

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

[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:

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