

Specifications

Photo is representative

Eaton PDG23F0030TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 30A, 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	PDG23F0030TFFJ
MODEL CODE	PDG23F0030TFFJ
UPC	786679281697
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	CCC Marked IEC 60947-2 UL 489 CSA

Delivery program

AMPERAGE RATING	30 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	18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC) 14 kAIC @600V (UL/CSA) 25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC) 25 kAIC @480V (UL) 10 kAIC Icu @125 Vdc 20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC) 35 kAIC @240V (UL) 10 kAIC Icu @250 Vdc 25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC) 35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (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 PDG23F0030TFFJ 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
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 PDG2 CB report PDG4 CB report
CERTIFICATION REPORTS	Power Defense Declaration concerning California's Proposition 65 PDG4 CCC certification EU Declaration of Conformity - Power Defense molded case circuit breakers

**INSTALLATION
INSTRUCTIONS**

[Power Defense Frame 2
screw terminal end cap
kit, 225A, 3 pole
instructions - IL012258EN
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
terminal kit -
PDG2X3\(2\)\(4\)TA225RF
instructions - IL012245EN
H01](#)

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

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

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

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

[Power Defense Frame 2
terminal kit -
PDG2X3\(2\)\(4\)TA150RF
instructions - IL012244EN
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 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
PDG2 and PDC\(E\)9 breaker
instructions - IL012106EN](#)

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

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

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

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

	Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions- IL012239EN H01
	Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh
	Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh
INSTALLATION VIDEOS	Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh
	Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh
	Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh
	Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video
	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
MULTIMEDIA	Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video
	Power Defense Frame 5 Trip Unit 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
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG23F0030TFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
WARRANTY GUIDES	Selling Policy 25-000 - Distribution and Control Products and Services
WHITE PAPERS	Single and double break MCCB performance revisited Molded case and low-voltage power circuit breaker health 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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