

# Specifications



Photo is representative



## Eaton PDG22F0030TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 30A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X2T100)

### General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG22F0030TFFJ
UPC	786679248539
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	152.4 mm
PRODUCT WIDTH	69.9 mm
PRODUCT WEIGHT	2.041 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 CSA IEC 60947-2 UL 489

## Delivery program

AMPERAGE RATING	30 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Two-pole

## Technical data - Electrical

VOLTAGE RATING	600 Vac
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## Technical information

INTERRUPT RATING	25 kAIC at 480 Vac
INTERRUPT RATING RANGE	25 kAIC @480V (UL)
	10 kAIC Icu @125 Vdc
	10 kAIC Icu @250 Vdc
	18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC)
	25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC)
	25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC)
	20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC)
	14 kAIC @600V (UL/CSA)
	35 kAIC @240V (UL)
	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	<a href="#">Eaton Power Defense MCCB PDG22F0030TFFJ 3D drawing</a>
APPLICATION NOTES	<a href="#">Consulting application guide - molded case circuit breakers</a>
BROCHURES	<a href="#">Power Defense molded case circuit breaker selection poster</a>
	<a href="#">Power Defense technical selling booklet</a>
	<a href="#">Power Defense brochure</a>
	<a href="#">Power Defense molded case circuit breakers - Frame 2 product aid</a>
CATALOGS	<a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a>
CERTIFICATION REPORTS	<a href="#">PDG4 CB report</a>
	<a href="#">PDG4 CCC certification</a>
	<a href="#">PDG2 CB report</a>
	<a href="#">Power Defense Declaration concerning California's Proposition 65</a>
	<a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a>
INSTALLATION INSTRUCTIONS	<a href="#">Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN</a>
	<a href="#">Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN</a>
	<a href="#">Power Defense Frame 2 tunnel terminal (aluminum), 50A, 2 pole instructions - IL012236EN H02</a>

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

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

[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](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 150A, 2 pole instructions - IL012238EN H02](#)

[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 global interphase barrier 2 pole – IL012324EN](#)

[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](#)

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

[Power Defense Frame 2 box terminal \(steel\), 100A, 2 pole instructions - IL012234EN H02](#)

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

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

<b>INSTALLATION VIDEOS</b>	<a href="#">Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh</a>
	<a href="#">Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh</a>
<b>MULTIMEDIA</b>	<a href="#">Power Defense Frame 6 Trip Unit How-To Video</a>
	<a href="#">Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</a>
	<a href="#">Power Defense Breakers</a>
	<a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a>
	<a href="#">Power Defense Frame 5 Trip Unit How-To Video</a>
	<a href="#">Eaton Power Defense for superior arc flash safety</a>
	<a href="#">Power Defense molded case circuit breakers</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Eaton Specification Sheet - PDG22F0030TFFJ</a>
<b>TIME/CURRENT CURVES</b>	<a href="#">Power Defense time current curve Frame 2 - PD2</a>
<b>WARRANTY GUIDES</b>	<a href="#">Selling Policy 25-000 - Distribution and Control Products and Services</a>
<b>WHITE PAPERS</b>	<a href="#">Intelligent circuit protection yields space savings</a>
	<a href="#">Molded case and low-voltage power circuit breaker health</a>
	<a href="#">Single and double break MCCB performance revisited</a>
	<a href="#">Making a better machine</a>
	<a href="#">Molded case and low-voltage breaker health</a>
	<a href="#">Safer by design: arc energy reduction techniques</a>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc**

Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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