

# Specifications



Photo is representative



## Eaton PDG22F0070TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 70A, 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	PDG22F0070TFFJ
UPC	786679212943
PRODUCT LENGTH/DEPTH	9 in
PRODUCT HEIGHT	6 in
PRODUCT WIDTH	4 in
PRODUCT WEIGHT	4 lb
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	IEC 60947-2 CCC Marked UL 489 CSA

## Delivery program

AMPERAGE RATING	70A
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 Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC)
	35 kAIC @240V (UL)
	35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC)
	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)
	25 kAIC @480V (UL)
	25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC)
	10 kAIC Icu @125 Vdc
	10 kAIC Icu @250 Vdc

## 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 PDG22F0070TFFJ 3D drawing</a>
APPLICATION NOTES	<a href="#">Consulting application guide - molded case circuit breakers</a>  <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>  <a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a>  <a href="#">Power Defense Declaration concerning California's Proposition 65</a>  <a href="#">PDG4 CCC certification</a>  <a href="#">PDG4 CB report</a>  <a href="#">PDG2 CB report</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 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf</a>  <a href="#">Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02</a>
CERTIFICATION REPORTS	
BROCHURES	

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

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

[Power Defense Frame 2 tunnel terminal \(aluminum\), 100A, 2 pole instructions - IL012237EN 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 locking devices and handle block instructions - IL012149EN](#)

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

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

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

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

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

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

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

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

[Power Defense Frame 2 tunnel terminal \(aluminum\), 50A, 2 pole instructions - IL012236EN H02](#)

<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="#">Eaton Power Defense for superior arc flash safety</a>
	<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 5 Trip Unit How-To Video</a>
	<a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Power Defense molded case circuit breakers</a>
<b>TIME/CURRENT CURVES</b>	<a href="#">Eaton Specification Sheet - PDG22F0070TFFJ</a>
<b>WHITE PAPERS</b>	<a href="#">Power Defense time current curve Frame 2 - PD2</a>
	<a href="#">Intelligent circuit protection yields space savings</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 power circuit breaker health</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:**

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**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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