

# Specifications

Photo is representative



## Eaton PDG23F0050TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 50A, 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	PDG23F0050TFFJ
MODEL CODE	PDG23F0050TFFJ
UPC	786679243633
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 CCC Marked UL 489 IEC 60947-2

### Delivery program

AMPERAGE RATING	50 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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### 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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Technical information	
<b>INTERRUPT RATING</b>	25 kAIC at 480 Vac
<b>INTERRUPT RATING RANGE</b>	25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC) 10 kAIC Icu @125 Vdc 18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC) 35 kAIC @240V (UL) 20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC) 14 kAIC @600V (UL/CSA) 25 kAIC @480V (UL) 25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC)

Resources	
<b>3D CAD DRAWING PACKAGE</b>	<a href="#">Eaton Power Defense MCCB PDG23F0050TFFJ 3D drawing</a>
<b>APPLICATION NOTES</b>	<a href="#">Consulting application guide - molded case circuit breakers</a> <a href="#">Power Defense technical selling booklet</a> <a href="#">Power Defense molded case circuit breaker selection poster</a> <a href="#">Power Defense brochure</a> <a href="#">Power Defense molded case circuit breakers - Frame 2 product aid</a>
<b>BROCHURES</b>	
<b>CATALOGS</b>	<a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</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> <a href="#">PDG4 CCC certification</a> <a href="#">PDG4 CB report</a>
<b>CERTIFICATION REPORTS</b>	
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03</a> <a href="#">Power Defense Frame 2 locking devices and handle block instructions - IL012149EN</a> <a href="#">Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN</a> <a href="#">Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions-IL012239EN H01</a> <a href="#">Power Defense Frame 2 shunt trip UVR instructions - IL012130EN</a> <a href="#">Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions - IL012316EN</a> <a href="#">Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01</a>

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

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

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

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

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

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

[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 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 \(aluminum\), 50A, 3 pole instructions - IL012236EN H03](#)

[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](#)

<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 Locking Devices and Handle Block Animated Instructions.pdf.rh</a>
	<a href="#">Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh</a>
	<a href="#">Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh</a>
	<a href="#">Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh</a>
<b>MULTIMEDIA</b>	<a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a>
	<a href="#">Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video</a>
	<a href="#">Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR 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 6 Trip Unit How-To Video</a>
	<a href="#">Power Defense molded case circuit breakers</a>
	<a href="#">Eaton Power Defense for superior arc flash safety</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Power Defense Frame 5 Trip Unit How-To Video</a>
<b>TIME/CURRENT CURVES</b>	<a href="#">Eaton Specification Sheet - PDG23F0050TFFJ</a>
<b>WHITE PAPERS</b>	<a href="#">Power Defense time current curve Frame 2 - PD2</a>
	<a href="#">Single and double break MCCB performance revisited</a>
	<a href="#">Intelligent circuit protection yields space savings</a>
	<a href="#">Making a better machine</a>
	<a href="#">Molded case and low-voltage power circuit breaker health</a>
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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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