

Specifications



Photo is representative



Eaton PDG22G0030TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 30A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X2T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG22G0030TFFL
UPC	786679945858
PRODUCT LENGTH/DEPTH	3.5 in
PRODUCT HEIGHT	6 in
PRODUCT WIDTH	2.75 in
PRODUCT WEIGHT	2.2 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	CCC Marked IEC 60947-2 UL 489 CSA
PRODUCT TYPE	Molded case circuit breaker

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
-----------------------	---------

Technical information

INTERRUPT RATING	35 kAIC at 480 Vac
INTERRUPT RATING RANGE	18 kAIC @600V (UL/CSA) 36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 65 kAIC @240V (UL) 55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC) 8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC) 25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC) 20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC) 30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC) 35 kAIC @480V (UL) 10 kAIC Icu @125 Vdc

General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T298

Technical data - Mechanical - Terminals

TERMINALS	Standard Terminals Load Only
------------------	------------------------------

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense PDG22G0030TFFL 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers
BROCHURES	Power Defense molded case circuit breaker selection poster Power Defense technical selling booklet Power Defense brochure Power Defense molded case circuit breakers - Frame 2 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 Power Defense Declaration concerning California's Proposition 65 PDG4 CB report
CERTIFICATION REPORTS	PDG4 CCC certification PDG2 CB report EU Declaration of Conformity - Power Defense molded case circuit breakers
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 locking devices and handle block instructions - IL012149EN

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

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

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

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

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

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RE instructions - IL012245EN H01](#)

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

[Power Defense Frame 2 tunnel terminal \(aluminum\), 100A, 2 pole instructions - IL012237EN H02](#)

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

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA150RE instructions - IL012244EN H01](#)

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

	<p>Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf</p> <p>Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN</p> <p>Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02</p> <p>Power Defense Frame 2 screw terminal end cap kit, 225A, 2 pole instructions - IL012257EN H01</p> <p>Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01</p> <p>Power Defense Frame 2 box terminal (steel), 100A, 2 pole instructions - IL012234EN H02</p>
INSTALLATION VIDEOS	<p>Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh</p> <p>Power Defense Frame 2 with TMTU, Shunt Trip UVR Animated Instructions.rh</p>
MULTIMEDIA	<p>Power Defense molded case circuit breakers</p> <p>Power Defense Frame 6 Trip Unit How-To Video</p> <p>Power Defense Breakers</p> <p>Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 5 Trip Unit How-To Video</p>

	Eaton Power Defense for superior arc flash safety
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG22G0030TFFL
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
	Intelligent circuit protection yields space savings
	Making a better machine
	Single and double break MCCB performance revisited
WHITE PAPERS	Molded case and low-voltage power circuit breaker health
	Molded case and low-voltage breaker health
	Safer by design: arc energy reduction techniques

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

Follow us on social media to get the latest product and support information.



© 2026 Eaton. All Rights Reserved.

Specifications



Photo is representative



Eaton PDG22G0030TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 30A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X2T100)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG22G0030TFFL
UPC	786679945858
PRODUCT LENGTH/DEPTH	3.5 in
PRODUCT HEIGHT	6 in
PRODUCT WIDTH	2.75 in
PRODUCT WEIGHT	2.2 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	CCC Marked IEC 60947-2 UL 489 CSA
PRODUCT TYPE	Molded case circuit breaker



Powering Business Worldwide

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
-----------------------	---------

Technical information

INTERRUPT RATING	35 kAIC at 480 Vac
INTERRUPT RATING RANGE	18 kAIC @600V (UL/CSA) 36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 65 kAIC @240V (UL) 55 kAIC Icu/ 55 kAIC Ics/ 121 kAIC Icm @240V (IEC) 8 kAIC Icu/ 4 kAIC Ics/ 16.8 kAIC Icm @690V (IEC) 25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @480V Brazil (IEC) 20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC) 30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC) 35 kAIC @480V (UL) 10 kAIC Icu @125 Vdc

General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T298

Technical data - Mechanical - Terminals

TERMINALS	Standard Terminals Load Only
------------------	------------------------------

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense PDG22G0030TFFL 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers
BROCHURES	Power Defense molded case circuit breaker selection poster Power Defense technical selling booklet Power Defense brochure Power Defense molded case circuit breakers - Frame 2 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 Power Defense Declaration concerning California's Proposition 65 PDG4 CB report
CERTIFICATION REPORTS	PDG4 CCC certification PDG2 CB report EU Declaration of Conformity - Power Defense molded case circuit breakers
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 locking devices and handle block instructions - IL012149EN

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

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

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

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

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

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA225RE instructions - IL012245EN H01](#)

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

[Power Defense Frame 2 tunnel terminal \(aluminum\), 100A, 2 pole instructions - IL012237EN H02](#)

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

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA150RE instructions - IL012244EN H01](#)

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

	<p>Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions (IL012260EN).pdf</p> <p>Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN</p> <p>Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02</p> <p>Power Defense Frame 2 screw terminal end cap kit, 225A, 2 pole instructions - IL012257EN H01</p> <p>Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01</p> <p>Power Defense Frame 2 box terminal (steel), 100A, 2 pole instructions - IL012234EN H02</p>
INSTALLATION VIDEOS	<p>Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh</p> <p>Power Defense Frame 2 with TMTU, Shunt Trip UVR Animated Instructions.rh</p>
MULTIMEDIA	<p>Power Defense molded case circuit breakers</p> <p>Power Defense Frame 6 Trip Unit How-To Video</p> <p>Power Defense Breakers</p> <p>Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</p> <p>Power Defense Frame 5 Trip Unit How-To Video</p>

	Eaton Power Defense for superior arc flash safety
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG22G0030TFFL
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
	Intelligent circuit protection yields space savings
	Making a better machine
	Single and double break MCCB performance revisited
WHITE PAPERS	Molded case and low-voltage power circuit breaker health
	Molded case and low-voltage breaker health
	Safer by design: arc energy reduction techniques

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

Follow us on social media to get the latest product and support information.

