

Eaton PDG22G0020TFFL

Catalog Number: PDG22G0020TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 20A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X2T100)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG22G0020TFFL
	UPC
	786679945636
Product Length/Depth	Product Height
3.5 in	6 in
Product Width	Product Weight
2.75 in	3.75 lb
Warranty	Compliances
Eaton Selling Policy 25-000, one (1) year RoHS Compliant from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.	Certifications
	UL 489
	CSA
	CCC Marked
	IEC 60947-2



Delivery program

Amperage Rating

20 A

Circuit breaker frame type

Complete breaker

Frame

2

Number of poles

Two-pole

General information

Circuit breaker type

PD2 Global

Class

Class A

Trip Type

T-M (Fxd-Fxd) TU

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Terminals Load Only

Technical information

Interrupt rating

35 kAIC at 480 Vac

Interrupt rating range

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)

30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)

18 kAIC @600V (UL/CSA)

36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

10 kAIC Icu @250 Vdc

20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)

10 kAIC Icu @125 Vdc

35 kAIC @480V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense PDG22G0020TFFL 3D drawing](#)

Application notes

[Consulting application guide - molded case circuit breakers](#)

Brochures

Power Defense brochure

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Brochures

Power Defense molded case circuit breakers - Frame 2 product aid

Catalogs

Molded case circuit breakers catalog

Certification reports

PDG4 CCC certification

PDG4 CB report

Power Defense Declaration concerning California's Proposition 65

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG2 CB report

Installation instructions

Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02

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

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

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 (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 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01

Power Defense Frame 2 global terminal shield, 2 pole - IL012330EN

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA150RF instructions - IL012244EN 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), 150A, 2 pole instructions - IL012238EN H02

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring

instructions – IL012316EN

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K

instructions- IL012239EN H01

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

Installation videos

Power Defense Frame 2 withTMTU, Shunt Trip_UVR Animated

Instructions.rh

Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated

Instructions.rh

Multimedia

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism

Installation How-To Video

Eaton Power Defense for superior arc flash safety

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

Specifications and datasheets

Eaton Specification Sheet - PDG22G0020TFFL

Time/current curves

Power Defense time current curve Frame 2 - PD2

White papers

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

Intelligent circuit protection yields space savings

Making a better machine

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com
© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)

Eaton PDG22G0020TFFL

Catalog Number: PDG22G0020TFFL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Two Pole, 20A, 35kA/480V, T-M (Fxd-Fxd) TU, Standard Terminals Load Only (PDG2X2T100)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG22G0020TFFL
	UPC
	786679945636
Product Length/Depth	Product Height
3.5 in	6 in
Product Width	Product Weight
2.75 in	3.75 lb
Warranty	Compliances
Eaton Selling Policy 25-000, one (1) year RoHS Compliant from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.	Certifications
	UL 489
	CSA
	CCC Marked
	IEC 60947-2



Delivery program

Amperage Rating

20 A

Circuit breaker frame type

Complete breaker

Frame

2

Number of poles

Two-pole

General information

Circuit breaker type

PD2 Global

Class

Class A

Trip Type

T-M (Fxd-Fxd) TU

Technical data - Electrical

Voltage rating

600 Vac

Voltage rating - max

600 V

Technical data - Mechanical - Terminals

Terminals

Standard Terminals Load Only

Technical information

Interrupt rating

35 kAIC at 480 Vac

Interrupt rating range

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)

30 kAIC Icu/ 22.5 kAIC Ics/ 63 kAIC Icm @440V (IEC)

18 kAIC @600V (UL/CSA)

36 kAIC Icu/ 36 kAIC Ics/ 75.6 kAIC Icm @380-415V (IEC)

10 kAIC Icu @250 Vdc

20 kAIC Icu/ 15/13 kAIC Ics/ 42 kAIC Icm @525V South Africa (IEC)

10 kAIC Icu @125 Vdc

35 kAIC @480V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense PDG22G0020TFFL 3D drawing](#)

Application notes

[Consulting application guide - molded case circuit breakers](#)

Brochures

Power Defense brochure

Power Defense technical selling booklet

Power Defense molded case circuit breaker selection poster

Brochures

Power Defense molded case circuit breakers - Frame 2 product aid

Catalogs

Molded case circuit breakers catalog

Certification reports

PDG4 CCC certification

PDG4 CB report

Power Defense Declaration concerning California's Proposition 65

EU Declaration of Conformity - Power Defense molded case circuit breakers

PDG2 CB report

Installation instructions

Power Defense Frame 2 clamp terminal (steel), 20A, 2 pole instructions - IL012246EN H02

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

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

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 (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 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01

Power Defense Frame 2 global terminal shield, 2 pole - IL012330EN

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA150RF instructions - IL012244EN 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), 150A, 2 pole instructions - IL012238EN H02

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring

instructions – IL012316EN

Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K

instructions- IL012239EN H01

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

Installation videos

Power Defense Frame 2 withTMTU, Shunt Trip_UVR Animated

Instructions.rh

Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated

Instructions.rh

Multimedia

Power Defense Frame 2 Variable Depth Rotary Handle Mechanism

Installation How-To Video

Eaton Power Defense for superior arc flash safety

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

Specifications and datasheets

Eaton Specification Sheet - PDG22G0020TFFL

Time/current curves

Power Defense time current curve Frame 2 - PD2

White papers

Single and double break MCCB performance revisited

Molded case and low-voltage power circuit breaker health

Intelligent circuit protection yields space savings

Making a better machine

Molded case and low-voltage breaker health

Safer by design: arc energy reduction techniques



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com
© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)