

Eaton PDG43M0500TFAL

Catalog Number: PDG43M0500TFAL

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 4, Three Pole, 500A, 65kA/480V, T-M (Fxd-Adj) TU, Standard Terminals Load Only (PDG4X3TA700)

General specifications

Product Name	Catalog Number
Eaton Power Defense molded case circuit breaker	PDG43M0500TFAL
	UPC
	786679808696
Product Length/Depth	Product Height
111.2 mm	406.4 mm
Product Width	Product Weight
209.6 mm	13.2 kg
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

500 A

Circuit breaker frame type

Complete breaker

Frame

4

Number of poles

Three-pole

General information

Circuit breaker type

PD4 Global

Class

Class A

Trip Type

T-M (Fxd-Adj) 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

65 kAIC at 480 Vac

Interrupt rating range

15 kAIC Icu/ 7.5 kAIC Ics/ 31.5 kAIC Icm @690V (IEC)

100 kAIC Icu/ 100 kAIC Ics/ 220 kAIC Icm @240V (IEC)

70 kAIC Icu/ 53 kAIC Ics/ 154 kAIC Icm @380-415V (IEC)

35 kAIC @600V (UL/CSA)

50 kAIC Icu/ 40 kAIC Ics/ 105 kAIC Icm @440V (IEC)

30 kAIC Icu/ 25 kAIC Ics/ 63 kAIC Icm @525V South Africa (IEC)

50 kAIC Icu/ 30 kAIC Ics/ 105 kAIC Icm @480V Brazil (IEC)

65 kAIC @480V (UL)

25 kAIC Icu @250 Vdc

100 kAIC @240V (UL)

Resources

3D CAD drawing package

[Eaton Power Defense PDG43M0500TFAL 3D drawing](#)

Application notes

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

Brochures

[StrandAble terminals product aid](#)

[Power Defense technical selling booklet](#)

[Power Defense brochure](#)

[Power Defense molded case circuit breaker selection poster](#)

[Power Defense molded case circuit breakers - Frame 4 product aid](#)

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

[EU Declaration of Conformity - Power Defense molded case circuit breakers](#)

[Power Defense Declaration concerning California's Proposition 65](#)

[PDG4 CSA certification](#)

[PDG4 CCC certification](#)

[PDG4 CB report](#)

[PDG4 UL authorization TMTU](#)

[PDG4 UL authorization PXR](#)

Installation instructions

[Power Defense Frame 4 adapter kit installation LZM4 to PD4 - IL012228EN](#)

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

[Power Defense Frame 4 interphase barrier 3 pole – IL012321EN](#)

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

[Power Defense Frame 4 trip unit replacement instructions - IL012158EN](#)

[Power Defense Frame 4_5 flex shaft handle mech assembly instructions - IL012284EN](#)

[Power Defense Frame 4 Breaker Instructions \(IL012108EN\).pdf](#)

[Power Defense Frame 4 breaker instructions - IL012108EN](#)

[Power Defense Frame 4_5_6 high performance flex shaft handle mech assembly instructions - IL012296EN](#)

[Power Defense Frame 4 handle mech variable depth rotary handle instructions - IL012135EN](#)

[Power Defense Frame 4 handle mech direct rotary handle instructions - IL012133EN](#)

Installation videos

[Power Defense Frame 4 Aux, Alarm, ST and UVR Animated Instructions.rh](#)

[Power Defense Frame 4 Trip Unit Replacement Animated Instructions.rh](#)

[Power Defense Frame 4 Handle Mech Direct Rotary Handle Animated Instructions.rh](#)

[Power Defense Frame 4 Locking Devices and Handle Block Animated Instructions.pdf.rh](#)

[Power Defense Frame 4 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh](#)

[Power Defense Frame 4 Variable Depth Rotary Handle Mechanism How-To Video](#)

[Power Defense Frame 4 Shunt Trip_UVR Animated Instructions.rh](#)

Multimedia

[Power Defense Frame 4 Direct Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense Frame 4 Aux, Alarm, Shunt Trip, and UVR How-To Video](#)

[Power Defense Frame 4 Trip Unit Installation How-To Video](#)

[Power Defense Frame 6 Trip Unit How-To Video](#)

[Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense Breakers](#)

[Eaton Power Defense for superior arc flash safety](#)

[Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video](#)

[Power Defense molded case circuit breakers](#)

[Power Defense Frame 5 Trip Unit How-To Video](#)

Specifications and datasheets

[Eaton Specification Sheet - PDG43M0500TFAL](#)

Time/current curves

[Power Defense time current curve Frame 4 - PD4](#)

Warranty guides

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

White papers

[Molded case and low-voltage power circuit breaker health](#)

[Making a better machine](#)

[Intelligent power starts with accurate, actionable data](#)

[Implementation of arc flash mitigating solutions at industrial manufacturing facilities](#)

[Single and double break MCCB performance revisited](#)

[Intelligent circuit protection yields space savings](#)

[Molded case and low-voltage breaker health](#)

[Safer by design: arc energy reduction techniques](#)



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