

Specifications

Photo is representative

Eaton PDG13N0045VFFJ

Eaton Power Defense Globally Rated, Frame 1, Three Pole, 45A, 85kA/480V, 50C Cal T-M (Fxd-Fxd) TU , Std Line Load Term (PDG1X3T125)

General specifications

PRODUCT NAME	Eaton Power Defense molded case circuit breaker
CATALOG NUMBER	PDG13N0045VFFJ
UPC	786689289843
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	139.7 mm
PRODUCT WIDTH	76.2 mm
PRODUCT WEIGHT	1.04 kg
COMPLIANCES	RoHS Compliant

Delivery program

AMPERAGE RATING	45 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	1
NUMBER OF POLES	Three-pole

Other

CALIBRATION	50C Calibration
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Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load
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General information

CIRCUIT BREAKER TYPE	PD1 Global
CLASS	Class A
SERIES	Power Defense
TRIP TYPE	T298

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	85 kAIC at 480 Vac
INTERRUPT RATING RANGE	85 kAIC @480/277V (UL) 150 kAIC @240V (UL) 150 kAIC Icu/ 100 kAIC Ics/ 330 kAIC Icm @240V (IEC) 20 kAIC Icu/ 10 kAIC Ics/ 42 kAIC Icm @690V (IEC) 35 kAIC Icu/ 25 kAIC Ics/ 73.5 kAIC Icm @525V South Africa (IEC) 65 kAIC Icu/ 40 kAIC Ics/ 143 kAIC Icm @480V Brazil (IEC) 70 kAIC Icu/ 50 kAIC Ics/ 154 kAIC Icm @440V (IEC) 70 kAIC Icu/ 50 kAIC Ics/ 154 kAIC Icm @380-415V (IEC) 50 kAIC @600/347V (UL)

Resources

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

BROCHURES [Power Defense brochure](#)
[Power Defense molded case circuit breaker selection poster](#)
[Power Defense technical selling booklet](#)
[Power Defense molded case circuit breakers - Frame 1 product aid](#)

CATALOGS [Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2](#)

CERTIFICATION REPORTS [Power Defense Declaration concerning California's Proposition 65](#)
[EU Declaration of Conformity - Power Defense molded case circuit breakers](#)

INSTALLATION INSTRUCTIONS [Power Defense Frame 1 UL global lock padlockable handle hasp IL012180EN](#)

[Power Defense Frame 1 UL global tunnel terminal \(aluminum\) 125A 3P - IL012166EN H03](#)

[Power Defense Frame 1 UL global handle block non padlockable - IL012177EN](#)

[Power Defense Frame 1 UL global terminal shield cover IP30 3P - IL012174EN](#)

[Power Defense Frame 1 UL global handle block padlockable off only - IL012179EN](#)

[Power Defense Frame 1 UL global DIN rail adapter metal three pole - IL012187EN](#)

[Power Defense Frame 1](#)
[UL Global variable depth](#)
[rotary handle mech](#)
[installation instructions -](#)
[IL012308EN](#)

[Power Defense Frame 1](#)
[UL global interphase](#)
[barrier instructions -](#)
[IL012313EN](#)

[Power Defense Frame 1](#)
[UL global DIN rail adapter](#)
[three or four pole -](#)
[IL012186EN](#)

[Power Defense Frame 1](#)
[UL global box terminal](#)
[\(steel\) 125A 3P -](#)
[IL012165EN H03](#)

[Power Defense](#)
[padlockable handle lock](#)
[hasp top off only](#)
[installation instructions -](#)
[IL012226EN](#)

[Power Defense Frame 1](#)
[UL global interphase](#)
[barrier - IL012176EN](#)

[Power Defense Frame 1](#)
[Instructions - IL012152EN](#)

[Power Defense Frame 1](#)
[UL global screw terminal](#)
[end cap kit 125A 3P -](#)
[IL012163EN](#)

[Power Defense Frame 1](#)
[UL global DIN rail adapter](#)
[2, 3, 4-pole - IL012185EN](#)

[Power Defense Frame 1](#)
[UL global screw terminal](#)
[end cap kit metric 125A 3P](#)
[- IL012171EN](#)

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

[Power Defense Frame 1](#)
[UL global Padlockable](#)
[Handle Lock Hasp -](#)
[IL012225EN](#)

	Power Defense Frame 1 UL global handle block padlockable - IL012178EN
INSTALLATION VIDEOS	Power Defense Frame 1 UL Global Aux, Alarm, ST and UVR Animated Instructions.rh
	Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video
	Power Defense molded case circuit breakers
	Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video
MULTIMEDIA	Eaton Power Defense for superior arc flash safety
	Power Defense Frame 6 Trip Unit How-To Video
	Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video
	Power Defense Breakers
	Power Defense Frame 5 Trip Unit How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG13N0045VFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 1 - PDG1
WHITE PAPERS	Single and double break MCCB performance revisited Safer by design: arc energy reduction techniques Molded case and low- voltage breaker health

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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