

Specifications



Photo is representative



Eaton PDG13M0100MHAJ

Eaton Power Defense motor circuit protector, Globally Rated, Frame 1 Motor Circuit Protector, Three Pole, 100A, 65kA/480V, Adjustable Instantaneous High Calibrations, Standard Line and Load

General specifications

PRODUCT NAME	Eaton Power Defense motor circuit protector
CATALOG NUMBER	PDG13M0100MHAJ
UPC	786679208083
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	139.7 mm
PRODUCT WIDTH	76.2 mm
PRODUCT WEIGHT	1.36 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	IEC 60947-2 UL 489 CSA CCC Marked
PRODUCT TYPE	Motor circuit protector

Delivery program

AMPERAGE RATING	100 A
FRAME	1
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
	35 kAIC Icu at 250 Vdc
	35 kAIC Icu at 125 Vdc
	70 kAIC Icu/50 kAIC Ics/154 kAIC Icm at 380-415 V (IEC)
INTERRUPT RATING RANGE	100 kAIC Icu/100 kAIC Ics/220 kAIC Icm at 240 V (IEC)
	65 kAIC at 480 V (UL)
	100 kAIC at 240 V (UL)
	25 kAIC at 600 V (UL/CSA)

General information

CIRCUIT BREAKER TYPE	PD1 Global
CLASS	Class A

Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load
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Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG13M0100MHAJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers
	Power Defense technical selling booklet
	Power Defense brochure
BROCHURES	Power Defense molded case circuit breaker selection poster
	Power Defense molded case circuit breakers - Frame 1 product aid
CATALOGS	Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2
	PDG1 CCC certification
	PDG1 CSA certification
	PDG1 UL authorization
CERTIFICATION REPORTS	EU Declaration of Conformity - Power Defense molded case circuit breakers
	Power Defense Declaration concerning California's Proposition 65
INSTALLATION INSTRUCTIONS	Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN
	Power Defense Frame 1 UL global screw terminal end cap kit 125A 3P - IL012163EN

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

[Power Defense Frame 1
UL global handle block
padlockable - IL012178EN](#)

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

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

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

[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 DIN rail adapter
three or four pole -
IL012186EN](#)

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

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

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

	<p>Power Defense Frame 1 UL global interphase barrier instructions - IL012313EN</p> <p>Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole - IL012185EN</p> <p>Power Defense Frame 1 UL global handle block padlockable off only - IL012179EN</p> <p>Power Defense Frame 1 UL global DIN rail adapter metal three pole - IL012187EN</p>
INSTALLATION VIDEOS	<p>Power Defense Frame 1 UL Global Aux, Alarm, ST and UVR Animated Instructions.rh</p>
MULTIMEDIA	<p>Power Defense Frame 5 Trip Unit How-To Video</p> <p>Power Defense Frame 1 Aux, Alarm, and Shunt Trip How-To Video</p> <p>Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</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>Eaton Power Defense for superior arc flash safety</p> <p>Power Defense molded case circuit breakers</p>
SPECIFICATIONS AND DATASHEETS	<p>Eaton Specification Sheet - PDG13M0100MHAJ</p>
TIME/CURRENT CURVES	<p>Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</p> <p>Power Defense time current curve Frame 1 - PDG1</p>

	Single and double break MCCB performance revisited
WHITE PAPERS	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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