

Specifications

Photo is representative



Eaton PDG13M0070MSAJ

Eaton Power Defense motor circuit protector, Globally Rated, Frame 1 Motor Circuit Protector, Three Pole, 70A, 65kA/480V, Adjustable Instantaneous Standard Calibrations, Standard Line and Load

General specifications

PRODUCT NAME	Eaton Power Defense motor circuit protector
CATALOG NUMBER	PDG13M0070MSAJ
UPC	786679318089
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	UL 489 CSA IEC 60947-2 CCC Marked

Delivery program

AMPERAGE RATING	70A
FRAME	1
NUMBER OF POLES	Three-pole

Technical data - Electrical

VOLTAGE RATING	600 Vac
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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

Technical data - Mechanical

SWITCH OFF TECHNIQUE	Thermomagnetic
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Technical information

INTERRUPT RATING	65 kAIC at 480 Vac
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INTERRUPT RATING RANGE

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

Resources**3D CAD DRAWING PACKAGE**

[Eaton Power Defense MCCB PDG13M0070MSAJ 3D drawing](#)

APPLICATION NOTES

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

BROCHURES

[Power Defense technical selling booklet](#)

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

[Power Defense brochure](#)

[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 UL authorization](#)

CERTIFICATION REPORTS

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

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

[PDG1 CSA certification](#)

INSTALLATION INSTRUCTIONS

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

[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 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 handle block
padlockable off only -
IL012179EN](#)

[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 DIN rail adapter metal
three pole - IL012187EN](#)

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

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

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

[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 DIN rail adapter 2, 3, 4-
pole - IL012185EN](#)

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

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

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

INSTALLATION VIDEOS

[Power Defense Frame 1 UL
Global Aux, Alarm, ST and
UVR Animated Instructions.rh](#)

MULTIMEDIA

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

[Power Defense Frame 1 Aux,
Alarm, and Shunt Trip How-To
Video](#)

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

	Power Defense molded case circuit breakers Power Defense Breakers Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 5 Trip Unit How-To Video
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG13M0070MSAJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 1 - PDG1 Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3
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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