

Eaton PDG13M0070MSAJ

Catalog Number: 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

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense motor circuit protector	PDG13M0070MSAJ
	UPC
	786679318089
Product Length/Depth	Product Height
76 mm	139.7 mm
Product Width	Product Weight
76.2 mm	1.36 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
	IEC 60947-2
	CCC Marked

Delivery program

Amperage Rating

70A

Frame

1

Number of poles

Three-pole

General information

Circuit breaker type

PD1 Global

Class

Class A

Technical data - Electrical

Voltage rating

600 Vac

Technical data - Mechanical

Switch off technique

Thermomagnetic

Technical data - Mechanical - Terminals

Terminals

Standard Line and Load

Technical information

Interrupt rating

65 kAIC at 480 Vac

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 molded case circuit breaker selection poster](#)

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

Brochures

[Power Defense molded case circuit breakers - Frame 1 product aid](#)

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

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

[PDG1 UL authorization](#)

[PDG1 CCC certification](#)

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

[PDG1 CSA certification](#)

Installation instructions

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN

Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole - IL012185EN

Power Defense Frame 1 UL global Padlockable Handle Lock Hasp - IL012225EN

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 125A 3P - IL012163EN

Power Defense Frame 1 UL global screw terminal end cap kit metric 125A 3P - IL012171EN

Power Defense Frame 1 Instructions - IL012152EN

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 interphase barrier instructions - IL012313EN

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 handle block padlockable off only - IL012179EN

Power Defense Frame 1 UL global handle block non padlockable - IL012177EN

Power Defense Frame 1 UL global lock padlockable handle hasp IL012180EN

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

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 6 Trip Unit How-To Video](#)

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

[Power Defense molded case circuit 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 Breakers](#)

[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](#)

[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

© 2025 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 PDG13M0070MSAJ

Catalog Number: 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

Photo is representative



General specifications

Product Name	Catalog Number
Eaton Power Defense motor circuit protector	PDG13M0070MSAJ
	UPC
	786679318089
Product Length/Depth	Product Height
76 mm	139.7 mm
Product Width	Product Weight
76.2 mm	1.36 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
	IEC 60947-2
	CCC Marked

Delivery program

Amperage Rating

70A

Frame

1

Number of poles

Three-pole

General information

Circuit breaker type

PD1 Global

Class

Class A

Technical data - Electrical

Voltage rating

600 Vac

Technical data - Mechanical

Switch off technique

Thermomagnetic

Technical data - Mechanical - Terminals

Terminals

Standard Line and Load

Technical information

Interrupt rating

65 kAIC at 480 Vac

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 molded case circuit breaker selection poster](#)

[Power Defense brochure](#)

[Power Defense technical selling booklet](#)

Brochures

[Power Defense molded case circuit breakers - Frame 1 product aid](#)

Catalogs

[Molded case circuit breakers catalog](#)

Certification reports

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

[PDG1 UL authorization](#)

[PDG1 CCC certification](#)

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

[PDG1 CSA certification](#)

Installation instructions

Power Defense Frame 1-2-3-4 IP door barrier assembly instructions - IL012278EN

Power Defense Frame 1 UL global DIN rail adapter 2, 3, 4-pole - IL012185EN

Power Defense Frame 1 UL global Padlockable Handle Lock Hasp - IL012225EN

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 125A 3P - IL012163EN

Power Defense Frame 1 UL global screw terminal end cap kit metric 125A 3P - IL012171EN

Power Defense Frame 1 Instructions - IL012152EN

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 interphase barrier instructions - IL012313EN

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 handle block padlockable off only - IL012179EN

Power Defense Frame 1 UL global handle block non padlockable - IL012177EN

Power Defense Frame 1 UL global lock padlockable handle hasp IL012180EN

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

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 6 Trip Unit How-To Video](#)

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

[Power Defense molded case circuit 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 Breakers](#)

[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](#)

[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

© 2025 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



Eaton.com/socialmedia