

# 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

|   |                       |
|---|-----------------------|
| <b>Product Name</b>   | <b>Catalog Number</b> |
| Eaton Power Defense motor circuit protector   | PDG13M0070MSAJ        |
|   | <b>UPC</b>            |
|   | 786679318089          |
| <b>Product Length/Depth</b>   | <b>Product Height</b> |
| 76 mm   | 139.7 mm              |
| <b>Product Width</b>  | <b>Product Weight</b> |
| 76.2 mm   | 1.36 kg               |
| <b>Warranty</b>   | <b>Compliances</b>    |
| 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. | <b>Certifications</b> |
|   | UL 489                |
|   | CSA                   |
|   | IEC 60947-2           |
|   | CCC Marked            |

## Delivery program

### Amperage Rating

70A

### Frame

1

### Number of poles

Three-pole

## Technical data - Mechanical

### Switch off technique

Thermomagnetic

## 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)

## General information

### Circuit breaker type

PD1 Global

### Class

Class A

## Technical data - Electrical

### Voltage rating

600 Vac

## Technical data - Mechanical - Terminals

### Terminals

Standard Line and Load

## 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 technical selling booklet](#)

[Power Defense brochure](#)

### Brochures

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

### Catalogs

[Molded case circuit breakers catalog](#)

### Certification reports

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

[PDG1 CCC certification](#)

[PDG1 UL authorization](#)

[PDG1 CSA certification](#)

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

## Installation instructions

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 lock padlockable handle hasp  
IL012180EN

Power Defense Frame 1 UL global terminal shield cover IP30 3P -  
IL012174EN

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

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 padlockable handle lock hasp top off only installation  
instructions - IL012226EN

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

Power Defense Frame 1 UL global interphase barrier - IL012176EN

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 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 screw terminal end cap kit metric  
125A 3P - IL012171EN

Power Defense Frame 1 UL global screw terminal end cap kit 125A 3P  
- IL012163EN

Power Defense Frame 1 Instructions - IL012152EN

## Installation videos

Power Defense Frame 1 UL Global Aux, Alarm, ST and UVR  
Animated Instructions.rh

## Multimedia

Power Defense molded case circuit breakers

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

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

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

[Power Defense Breakers](#)

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

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

[Power Defense Frame 6 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](#)



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