

# Specifications



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## Eaton PDG33M0250MSAJ

Eaton Power Defense motor circuit protector, Globally Rated, Frame 3 Motor Circuit Protector, Three Pole, 250A, 65kA/480V, Adjustable Instantaneous Standard Calibrations, Standard Line and Load

### General specifications

<b>PRODUCT NAME</b>	Eaton Power Defense motor circuit protector
<b>CATALOG NUMBER</b>	PDG33M0250MSAJ
<b>UPC</b>	786679380307
<b>PRODUCT LENGTH/DEPTH</b>	109.1 mm
<b>PRODUCT HEIGHT</b>	257.1 mm
<b>PRODUCT WIDTH</b>	138.9 mm
<b>PRODUCT WEIGHT</b>	5.61 kg
<b>WARRANTY</b>	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.
<b>COMPLIANCES</b>	RoHS Compliant
<b>CERTIFICATIONS</b>	IEC 60947-2 CCC Marked CSA UL 489
<b>PRODUCT TYPE</b>	Motor circuit protector



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## Delivery program

<b>AMPERAGE RATING</b>	250 A
<b>FRAME</b>	3
<b>NUMBER OF POLES</b>	Three-pole

## Technical data - Electrical

<b>VOLTAGE RATING</b>	600 Vac
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## Technical information

<b>INTERRUPT RATING</b>	65 kAIC at 480 Vac
	22 kAIC Icu at 250 Vdc
	65 kAIC at 480 V (UL)
	100 kAIC at 240 V (UL)
	30 kAIC Icu/15 kAIC Ics/63 kAIC Icm at 525 V South Africa (IEC)
	70 kAIC Icu/53 kAIC Ics/154 kAIC Icm at 380-415 V (IEC)
<b>INTERRUPT RATING RANGE</b>	100 kAIC Icu/100 kAIC Ics/220 kAIC Icm at 240 V (IEC)
	15 kAIC Icu/7.5 kAIC Ics/31.5 kAIC Icm at 690 V (IEC)
	50 kAIC Icu/30 kAIC Ics/105 kAIC Icm at 480 V Brazil (IEC)
	35 kAIC at 600 V (UL/CSA)
	50 kAIC Icu/40 kAIC Ics/105 kAIC Icm at 440 V (IEC)

## General information

<b>CIRCUIT BREAKER TYPE</b>	PD3 Global
<b>CLASS</b>	Class A

## Technical data - Mechanical - Terminals

<b>TERMINALS</b>	Standard Line and Load
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## Resources

<b>3D CAD DRAWING PACKAGE</b>	<a href="#">Eaton Power Defense MCCB PDG33M0250MSAJ 3D drawing</a>
<b>APPLICATION NOTES</b>	<a href="#">Consulting application guide - molded case circuit breakers</a> <a href="#">StrandAble terminals product aid</a> <a href="#">Power Defense technical selling booklet</a>
<b>BROCHURES</b>	<a href="#">Power Defense brochure</a> <a href="#">Power Defense molded case circuit breaker selection poster</a>
<b>CATALOGS</b>	<a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a> <a href="#">PDG3B 450A-600A CB report</a> <a href="#">PDG3 CSA certification 250-600a</a> <a href="#">PDG3 CSA certification 100-400a</a> <a href="#">PDG3 45-400A CB report</a>
<b>CERTIFICATION REPORTS</b>	<a href="#">PDG3 UL authorization 100-400a</a> <a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a> <a href="#">PDG3 UL authorization 250-600a TMTU</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">Power Defense Frame 3 terminal cover assembly instructions - IL012281EN</a>

[Power Defense Frame 3 interphase barriers 3-pole - IL012229EN H01](#)

[Power Defense Frame 3 extendable shaft rotary handle mech - IL012112EN](#)

[Power Defense Frame 3 finger protection assembly installation instructions - IL012279EN](#)

[Power Defense Frame 3 interphase barrier - IL012229EN H03](#)

[Power Defense Frame 3 terminal spreader assembly instructions - IL012301EN](#)

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

[Power Defense Frame 4 locking devices and handle block instructions - IL012151EN](#)

[Power Defense Frame 3 Breaker Instructions \(IL012107EN\).pdf](#)

[Power Defense Frame 3 Direct Rotary Handle Assy With Interlock Version Instructions \(IL012139EN\).pdf](#)

[Power Defense Frame 3 locking devices and handle block instructions - IL012150EN](#)

[Power Defense Frame 3 trip unit replacement instructions - IL012157EN](#)

[Power Defense Frame 3 box terminal installation instructions - IL012299EN](#)

[Power Defense Frame 3 reverse feed connector kit Cat Num PDG3X3\(2\)\(4\)TA630RF instructions - IL012253EN](#)

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plug-in adapter installation  
instructions - IL012311EN](#)

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multi-tap terminal kit Cat  
Num  
PDG3X3\(2\)\(4\)TA6006W  
Instructions - IL012248EN](#)

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reverse feed connector kit  
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PDG4X3\(2\)\(4\)TA800RE  
instructions - IL012254EN](#)

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screw terminal end cap kit  
600A, 3 pole - IL012264EN](#)

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PDG3X3\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

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multi wire connector kit -  
PDG3X3\(2\)\(4\)TA4006W  
and  
PDG3X3\(2\)\(4\)TA4003W  
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adapter kit installation  
instructions LZM3 to PD3 -  
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	<p><a href="#">Power Defense Frame 4 shunt trip UVR instructions - IL012129EN</a></p> <p><a href="#">Power Defense Frame 3 screw terminal end cap kit, 400A, 3 pole - IL012262EN</a></p> <p><a href="#">Power Defense Frame 3 handle mech direct rotary handle instructions - IL012111EN</a></p> <p><a href="#">Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006WSW instructions - IL012250EN</a></p>
INSTALLATION VIDEOS	<p><a href="#">Power Defense Frame 3 trip unit replacement animated instructions.rh</a></p> <p><a href="#">Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh</a></p> <p><a href="#">Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh</a></p> <p><a href="#">Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated Instructions.rh</a></p> <p><a href="#">Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh</a></p>
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SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - PDG33M0250MSAJ</a>
TIME/CURRENT CURVES	<a href="#">Power Defense time current curves MCP Motor Circuit Protection – PD1, PD2, PD3</a> <a href="#">Power Defense time current curve Frame 3 - PD3</a>
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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
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## Technical data - Electrical

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<b>CLASS</b>	Class A

## Technical data - Mechanical - Terminals

<b>TERMINALS</b>	Standard Line and Load
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**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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