

Specifications

Photo is representative

Eaton PDG23F0020TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 20A, 25kA/480V, T-M (Fxd-Fxd) TU, Standard Line and Load (PDG2X3T100)



General specifications

| | |
|-----------------------------|--|
| PRODUCT NAME | Eaton Power Defense molded case circuit breaker |
| CATALOG NUMBER | PDG23F0020TFFJ |
| UPC | 786679282489 |
| PRODUCT LENGTH/DEPTH | 88.9 mm |
| PRODUCT HEIGHT | 146.05 mm |
| PRODUCT WIDTH | 104.6 mm |
| PRODUCT WEIGHT | 1.82 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 | CCC Marked IEC 60947-2 UL 489 CSA |

Delivery program

| | |
|-----------------------------------|------------------|
| AMPERAGE RATING | 20 A |
| CIRCUIT BREAKER FRAME TYPE | Complete breaker |
| FRAME | 2 |
| NUMBER OF POLES | Three-pole |

Technical data - Electrical

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|-----------------------|---------|
| VOLTAGE RATING | 600 Vac |
|-----------------------|---------|

General information

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|-----------------------------|------------|
| CIRCUIT BREAKER TYPE | PD2 Global |
| CLASS | Class A |
| TRIP TYPE | T298 |

Technical data - Mechanical - Terminals

| | |
|------------------|------------------------|
| TERMINALS | Standard Line and Load |
|------------------|------------------------|

Technical information

| | |
|-------------------------------|--|
| INTERRUPT RATING | 25 kAIC at 480 Vac |
| INTERRUPT RATING RANGE | 10 kAIC Icu @125 Vdc 35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @240V (IEC) 25 kAIC Icu/ 25 kAIC Ics/ 52.5 kAIC Icm @380-415V (IEC) 10 kAIC Icu @250 Vdc 25 kAIC @480V (UL) 14 kAIC @600V (UL/CSA) 18 kAIC Icu/ 15/13 kAIC Ics/ 37.8 kAIC Icm @525V South Africa (IEC) 20 kAIC Icu/ 20 kAIC Ics/ 42 kAIC Icm @480V Brazil (IEC) 35 kAIC @240V (UL) 25 kAIC Icu/ 20 kAIC Ics/ 52.5 kAIC Icm @440V (IEC) |

Resources

| | |
|----------------------------------|--|
| 3D CAD DRAWING PACKAGE | Eaton Power Defense MCCB PDG23F0020TFFJ 3D drawing |
| APPLICATION NOTES | Consulting application guide - molded case circuit breakers Power Defense brochure Power Defense technical selling booklet |
| BROCHURES | Power Defense molded case circuit breaker selection poster Power Defense molded case circuit breakers - Frame 2 product aid |
| CATALOGS | Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2 EU Declaration of Conformity - Power Defense molded case circuit breakers PDG2 CB report Power Defense Declaration concerning California's Proposition 65 PDG4 CCC certification PDG4 CB report |
| CERTIFICATION REPORTS | Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN Power Defense Frame 2 shunt trip UVR instructions - IL012130EN Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01 Power Defense Frame 2 screw terminal end cap kit, 225A, 3 pole instructions - IL012258EN H01 Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN Power Defense Frame 2 box terminal (steel), 100A, 3 pole instructions - IL012234EN H03 Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions (IL012138EN).pdf Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN |
| INSTALLATION INSTRUCTIONS | |

[Power Defense Frame 2 multi wire connector kit - PDG2X3\(2\)\(4\)TA2253W instructions - IL012243EN H01](#)

[Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN](#)

[Power Defense Frame 1 IEC and Frame 2 Rotary Mechanism with NFPA Handle Attachment Instructions \(IL012260EN\).pdf](#)

[Power Defense Frame 2 terminal kit - PDG2X3\(2\)\(4\)TA150RF instructions - IL012244EN H01](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 100A, 3 pole instructions - IL012237EN H03](#)

[Power Defense Frame 2 clamp terminal \(steel\), 20A, 3 pole instructions - IL012246EN H03](#)

[Power Defense Frame 2 locking devices and handle block instructions - IL012149EN](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 150A, 3 pole instructions - IL012238EN H03](#)

[Power Defense Frame 2 tunnel terminal kits - PDG2X1TA225K instructions-IL012239EN H01](#)

[Power Defense Frame 2 global terminal shield, 3 pole - IL012330EN](#)

[Power Defense Frame 2 tunnel terminal \(aluminum\), 50A, 3 pole instructions - IL012236EN H03](#)

[Power Defense Frame 2 multi wire connector kit - PDG2X3\(2\)\(4\)TA2256W instructions - IL012242EN H01](#)

[Power Defense Frame 2 box terminal \(aluminum\), 225A, 3 pole instructions - IL012235EN H03](#)

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

INSTALLATION VIDEOS

[Power Defense Frame 2 withTMTU, Shunt Trip UVR Animated Instructions.rh](#)

| | |
|----------------------------|---|
| | Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh |
| | Power Defense Frame 2 TMTU Aux, Alarm, ST and UVR Animated Instructions.rh |
| | Power Defense Frame 2 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh |
| | Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh |
| MULTIMEDIA | Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR How-To Video |
| | Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video |
| | 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 |
| | Power Defense Frame 6 Trip Unit How-To Video |
| | Eaton Power Defense for superior arc flash safety |
| | Power Defense molded case circuit breakers |
| | SPECIFICATIONS AND DATASHEETS |
| TIME/CURRENT CURVES | Power Defense time current curve Frame 2 - PD2 |
| WHITE PAPERS | Making a better machine |
| | Molded case and low-voltage power circuit breaker health |
| | Single and double break MCCB performance revisited |
| | Intelligent circuit protection yields space savings |
| | Molded case and low-voltage breaker health |
| | Safer by design: arc energy reduction techniques |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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Photo is representative



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| TRIP TYPE | T298 |

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PREPARED BY:

DATE:



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