Specifications

Photo is representative

Eaton PDG23F0030TFFJ

Eaton Power Defense molded case circuit breaker, Globally Rated, Frame 2, Three Pole, 30A, 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	PDG23F0030TFFJ
MODEL CODE	PDG23F0030TFFJ
UPC	786679281697
PRODUCT LENGTH/DEPTH	88.9 mm
PRODUCT HEIGHT	152.4 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	30 A
CIRCUIT BREAKER FRAME TYPE	Complete breaker
FRAME	2
NUMBER OF POLES	Three-pole

General information

CIRCUIT BREAKER TYPE	PD2 Global
CLASS	Class A
TRIP TYPE	T298

Technical data - Electrical

VOLTAGE RATING	600 Vac

Technical data - Mechanical - Terminals

TERMINALS	Standard Line and Load

Technical information

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

Resources

3D CAD DRAWING PACKAGE	Eaton Power Defense MCCB PDG23F0030TFFJ 3D drawing
APPLICATION NOTES	Consulting application guide - molded case circuit breakers
BROCHURES	Power Defense technical selling booklet Power Defense brochure 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
CERTIFICATION REPORTS	PDG2 CB report PDG4 CB report PDG4 CCC certification EU Declaration of Conformity - Power Defense molded case circuit breakers Power Defense Declaration concerning California’s Proposition 65
INSTALLATION INSTRUCTIONS	Power Defense Frame 2 handle mech variable depth rotary handle instructions - IL012136EN Power Defense Frame 2 box terminal (aluminum), 225A, 3 pole instructions - IL012235EN H03 Power Defense Frame 2 box terminal (steel), 100A, 3 pole instructions - IL012234EN H03 Power Defense Frame 2 tunnel terminal (aluminum), 50A, 3 pole instructions - IL012236EN H03 Power Defense Frame 2 tunnel terminal (aluminum), 150A, 3 pole instructions - IL012238EN H03 Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2256W instructions - IL012242EN H01 Power Defense Frame 2 multi wire connector kit - PDG2X3(2)(4)TA2253W instructions - IL012243EN H01

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

Power Defense Frame 2 handle mech direct rotary handle instructions - IL012134EN

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA225RF instructions - IL012245EN H01

Power Defense Frame 2 shunt trip UVR instructions - IL012130EN

Power Defense Frame 2 screw terminal end cap kit, 225A, 3 pole instructions - IL012258EN H01

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

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

Power Defense Frame 2 PDG2 and PDC(E)9 breaker instructions - IL012106EN

Power Defense Frame 2 terminal kit - PDG2X3(2)(4)TA150RF instructions - IL012244EN H01

Power Defense Frame 2 Direct Rotary Handle Assy With Interlock Version Instructions (IL012138EN).pdf

Power Defense Frame 2 locking devices and handle block instructions - IL012149EN

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 clamp terminal (steel), 20A, 3 pole instructions - IL012246EN H03

Power Defense Frame 2/3/4/5/6 voltage neutral sensor module wiring instructions – IL012316EN

INSTALLATION VIDEOS	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 withTMTU, Shunt Trip_UVR Animated Instructions.rh Power Defense Frame 2 Bell Alarm with PXR Animated Instructions.pdf.rh Power Defense Frame 2 Locking Devices and Handle Block Animated Instructions.pdf.rh
MULTIMEDIA	Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video Power Defense Frame 2 Direct Rotary Handle Mechanism Installation How-To Video Power Defense Frame 2 Aux, Alarm, Shunt Trip, and UVR 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 Power Defense Frame 5 Trip Unit How-To Video Power Defense Breakers
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PDG23F0030TFFJ
TIME/CURRENT CURVES	Power Defense time current curve Frame 2 - PD2
WARRANTY GUIDES	Selling Policy 25-000 - Distribution and Control Products and Services
WHITE PAPERS	Intelligent circuit protection yields space savings Molded case and low-voltage power circuit breaker health Single and double break MCCB performance revisited Making a better machine

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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