



FD3050VL



Specifications

GENERAL SPECIFICATIONS

PRODUCT NAME

Eaton Series C complete molded case circuit breaker

CATALOG NUMBER

FD3050VL

UPC

786679396988

PRODUCT LENGTH/DEPTH

3.38 IN

PRODUCT HEIGHT

6 IN

PRODUCT WIDTH

4.13 IN

PRODUCT WEIGHT

4.5 LB

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.

CERTIFICATIONS

UL Listed

PRODUCT SPECIFICATIONS

INTERRUPT RATING

65 kAIC at 240 Vac, 35 kAIC at 480 Vac

SERIES

Series C

FRAME

F-frame

CIRCUIT BREAKER TYPE

FD

FREQUENCY RATING

50/60 Hz

CIRCUIT BREAKER FRAME TYPE

Complete breaker

TERMINALS

Line and load

CALIBRATION

50°C

VOLTAGE RATING

600 Vac, 250 Vdc

AMPERAGE RATING

50A

TRIP TYPE

Fixed thermal, fixed magnetic

NUMBER OF POLES

Download Links

Application notes



[Application of Tap Rules to Molded Case Breaker Terminals](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/tap-rules-mccb-terminals-ap0120007e.pdf) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/tap-rules-mccb-terminals-ap0120007e.pdf>)



[UL listed 100%-rated molded case circuit breakers](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/ul-listed-100-rated-mccb-ap01200008e.pdf) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/ul-listed-100-rated-mccb-ap01200008e.pdf>)



[Application of Multi-Wire Terminals for Molded Case Circuit Breakers](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/multi-wire-terminals-application-mccb-ap01200004e.pdf) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/multi-wire-terminals-application-mccb-ap01200004e.pdf>)

[Download all files](#)

Brochures



[StrandAble terminals product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/strandable-terminals-pa012021en.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/strandable-terminals-pa012021en.pdf)



[Current limiting Series C molded case circuit breakers product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/mccb-series-c-fd-cl-pa01213003e.PDF\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/mccb-series-c-fd-cl-pa01213003e.PDF)



[Power metering and monitoring with Modbus RTU product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/modbus-power-metering-monitoring-pa0122200e3.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/modbus-power-metering-monitoring-pa0122200e3.pdf)



[MOEM MCCB Product Selection Guide \(http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=SA012004EN\)](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=SA012004EN)



[Circuit breaker motor operators product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/circuit-breaker-motor-operators-pa01222002e.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-molded-case-circuit-breakers/circuit-breaker-motor-operators-pa01222002e.pdf)



[Motor protection circuit breakers product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/motor-protection-circuit-breakers-pa01211001e.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/motor-protection-circuit-breakers-pa01211001e.pdf)



[Multi-wire lugs product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/multi-wire-lugs-sa012014en.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/multi-wire-lugs-sa012014en.pdf)



[Plug-in adapters for molded case circuit breakers product aid \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/mccb-plug-in-adapters-pa01219004e.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/mccb-plug-in-adapters-pa01219004e.pdf)



[Breaker service centers \(http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/breaker-service-centers-pa01217002e.pdf\)](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/breaker-service-centers-pa01217002e.pdf)



[Counterfeit and Gray Market Awareness Guide \(http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=PA01200008E\)](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=PA01200008E)

[Download all files](#)

Catalogs

Drawings



[Eaton's Volume 4-Circuit Protection](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&Rendition=Primary&dDocName=CA08100005E) (http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&Rendition=Primary&dDocName=CA08100005E)



[Molded case circuit breakers catalog](https://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/mccb-catalog-v4-t2-ca08100005e.pdf) (<https://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/mccb-catalog-v4-t2-ca08100005e.pdf>)

[Download all files](#)



[FD3 3D Inventor](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=%20FD3_ipt_28597) (http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=%20FD3_ipt_28597)



[FD3 3D Model Xchange](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=FD3_stp_61479) (http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=FD3_stp_61479)



[Time Current Curves for Series C® F-Frame Circuit Breakers](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&Rendition=Primary&dDocName=TC01200002E) (http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&Rendition=Primary&dDocName=TC01200002E)



[FD3 AutoCAD 2D Footprint \(mm\)](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=FD3_(mm).DWG_24035) ([http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=FD3_\(mm\).DWG_24035](http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendition=Primary&dDocName=FD3_(mm).DWG_24035))

[Download all files](#)

Installation instructions



[Installation Instructions for EHD, EDB, EDS, ED, EDH, EDC, FDB, FD, HFD, FDC, HFDDC Circuit Breakers and Molded Case Switches](http://www.eaton.com/ecm/groups/public/@pub/@electrical/documents/content/6620c41.pdf) (<http://www.eaton.com/ecm/groups/public/@pub/@electrical/documents/content/6620c41.pdf>)

Product specification guides



[MOEM MCCB product selection guide](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/moem-mccb-product-selection-sa012004en.PDF) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/moem-mccb-product-selection-sa012004en.PDF>)



[Series C J-Frame molded case circuit breakers time current curves](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-j-frame-time-current-curves-td012033en.pdf) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-j-frame-time-current-curves-td012033en.pdf>)



[Series C F-Frame molded case circuit breakers](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-f-frame-mccb-td01203013e.PDF) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-f-frame-mccb-td01203013e.PDF>)



[Eaton Specification Sheet - FD3050VL](http://pe.eaton.com/print/FD3050VL) (<http://pe.eaton.com/print/FD3050VL>)



[Series C G-Frame molded case circuit breakers time current curves](http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-g-frame-time-current-curves-td012032en.PDF) (<http://www.eaton.com/content/dam/eaton/products/electrical-circuit-protection/molded-case-circuit-breakers/series-c-g-frame-time-current-curves-td012032en.PDF>)

[Download all files](#)

Note: If file(s) are missing from the .zip download then the file type is not supported by bulk download.

[Privacy, cookies & data protection policy \(/us/en-us/company/policies-and-statements/privacy-cookies-and-data-protection.html\)](#)

[EU-US Privacy Shield \(https://www.privacyshield.gov/\)](https://www.privacyshield.gov/)

[CCPA – Do Not Sell My Data Request \(/us/en-us/forms/data-privacy/do-not-sell-data.html\)](#)

© 2020 Eaton. All Rights Reserved.