

Eaton DG1-34087FN-C21C

Catalog number: DG1-34087FN-C21C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 45 kW 60 Hp CT 3PH 50/60 Hz 87A output IP21/type 1 enclosure FR5 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots



General specifications

Product Name

Eaton PowerXL DG1 variable frequency drive

Catalog Number

DG1-34087FN-C21C

UPC

786685878874

Product Length/Depth

27.5 in

Product Height

15 in

Product Width

17 in

Product Weight

84 lb

Warranty

Eaton Selling Policy 25-000 generally applies with some exceptions. Drive products come with a standard 24 months from date of shipment and 36 months with Eaton certified start up all inclusive coverage parts labor and travel.

Compliances

RoHS Compliant C-Tick Compliant CE Marked GoST-R

Certifications

EN 61800-5-1 UL 508C EN 61800-3 IEC 61508 EN ISO 13849-1 EN 62061 cUL Listed UL Listed

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Phase

Three-phase in, three-phase out

Input voltage

400 V, 380-500 V(-15%, +10%)

Material

Coated board

Enclosure

IP21/type 1

Output current - max

87 A

Number of slots

2 expansion slots

Frame size

5

Series

General purpose

Brake chopper

No brake chopper

Input output

400 Vac (380-500 Vac)

Power consumption

45 kW

Horsepower

60 hp

Frequency rating

50-60 Hz

Keypad

Included

Software

Active energy control, quick start wizard

Torque rating

CT

Protection

Internal EMC filter, DC choke

Resources

Application notes

[Connecting drives to generator supplies](#)

[Digital I/Os](#)

[Real time clock and use of the timers](#)

[Dual Rating What exactly does that mean?](#)

[Electromagnetic compatibility \(EMC\)](#)

[Starting, stopping and operation](#)

[Operating at low temperatures](#)

[Motor data and V/f curves](#)

[Load balancing in multi motor applications](#)

[DG1 in pump and fan applications](#)

[Analog I/Os](#)

[Smoke Mode and fire mode](#)

[Torque control](#)

[PID controller](#)

Catalogs

[Product Range Catalog Drives Engineering](#)

[Data sheet](#)

[Eaton's Volume 6—Solid-State Motor Control](#)

Drawings

[DG1_FN_\(FR4-UL\) 2D PDF](#)

[DG1_FN_\(FR4-UL\) 2D Drawing Xchange](#)

[DG1_FN_\(FR4-UL\) AutoCAD 2D Footprint \(mm\)](#)

[DG1_FN_\(FR4-UL\) 3D Model Xchange](#)

[DG1_FN_\(FR4-UL\) 3D Inventor](#)

[DG1_FN_\(FR4-UL\) AutoCAD 2D Footprint](#)

Installation instructions

[PowerXL DG1 Series VFD Application Manual](#)

[PowerXL DG1 Series VFD Installation Manual](#)

Specifications and datasheets

[Eaton Specification Sheet - DG1-34087FN-C21C](#)

Display

LCD graphical

Communication

EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication



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