

# Eaton DG1-34012FB-C21C

Catalog number: DG1-34012FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input. 5.5 kW, 7.5 Hp CT, 3PH, 50/60 Hz, 12A output, IP21/type 1 enclosure, FR2, LCD display, Internal EMC filter and DC choke EtherNet, RS-485



## General specifications

### Product Name

Eaton PowerXL DG1 variable frequency drive

### Catalog Number

DG1-34012FB-C21C

### UPC

786685878799

### Product Length/Depth

21.34 in

### Product Height

14.17 in

### Product Width

10.24 in

### Product Weight

26.46 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

C-Tick Compliant RoHS Compliant CE Marked GoST-R

### Certifications

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

## defaultTaxonomyAttributeLabel

### Phase

Three-phase in, three-phase out

### Input voltage

230 V, 208-240 V(-15%, +10%)

### Material

Coated board

### Enclosure

IP21/type 1

### Output current - max

12 A

### Number of slots

2 expansion slots

### Frame size

2

### Series

General purpose

### Brake chopper

Brake chopper

### Input output

400 Vac (380-500 Vac)

### Power consumption

5.5 kW

### Horsepower

7.50 hp

### Frequency rating

50-60 Hz

### Keypad

Included

### Software

Active energy control, quick start wizard

### Torque rating

CT

### Protection

Internal EMC filter, DC choke

### Display

## Resources

### Application notes

[Torque control](#)

[Smoke Mode and fire mode](#)

[Operating at low temperatures](#)

[Digital I/Os](#)

[Load balancing in multi motor applications](#)

[PID controller](#)

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

[Connecting drives to generator supplies](#)

[Starting, stopping and operation](#)

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

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

[DG1 in pump and fan applications](#)

[Analog I/Os](#)

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

### Catalogs

[Data sheet](#)

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

[Product Range Catalog Drives Engineering](#)

### Drawings

[DG1\\_FB\\_\(FR2-UL\) AutoCAD 2D Footprint](#)

[DG1\\_FB\\_\(FR2-UL\) 3D Model Xchange](#)

[DG1\\_FB\\_\(FR2-UL\) 2D Drawing Xchange](#)

[DG1\\_FB\\_\(FR2-UL\) AutoCAD 2D Footprint \(mm\)](#)

[DG1\\_FB\\_\(FR2-UL\) 3D Inventor](#)

### Installation instructions

[PowerXL DG1 Series VFD Installation Manual](#)

[PowerXL DG1 Series VFD Application Manual](#)

### Specifications and datasheets

[Eaton Specification Sheet - DG1-34012FB-C21C](#)

LCD graphical

Communication

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

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