

# Eaton DG1-32011FB-C21C

Catalog Number: DG1-32011FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 2.2 kW 3 Hp CT 3PH 50/60 Hz 11A output IP21/type 1 FR1 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots Brake chopper



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton PowerXL DG1 variable frequency drive	DG1-32011FB-C21C
	<b>UPC</b>
	786685886046
<b>Product Length/Depth</b>	<b>Product Height</b>
17.5 in	13 in
<b>Product Width</b>	<b>Product Weight</b>
9 in	16 lb
<b>Warranty</b>	<b>Compliances</b>
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.	C-Tick Compliant CE Marked RoHS Compliant GoST-R
	<b>Certifications</b>
	cUL Listed UL Listed UL 508C EN ISO 13849-1 EN 62061 IEC 61508

## defaultTaxonomyAttributeLabel

### Brake chopper

Brake chopper

### Horsepower

3 hp

### Phase

Three-phase in, three-phase out

### Protection filtering

EMI, RFI Filter

### Special features

Coated board

### Type

Power XL

### Frequency rating

50-60 Hz

### Frame size

1

### Keypad

Included

### Input voltage

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

### Display

LCD graphical

### Torque rating

CT

### Communication

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

### Enclosure

IP21/type 1

### Input output

3 inputs, 3 outputs

### Maximum Current

11/12.5 A

### Rating

IP21

## Resources

### Application notes

Load balancing in multi motor applications

Real time clock and use of the timers

Analog I/Os

Torque control

Smoke Mode and fire mode

Motor data and V/f curves

Dual Rating What exactly does that mean?

Starting, stopping and operation

Digital I/Os

Connecting drives to generator supplies

Operating at low temperatures

Electromagnetic compatibility (EMC)

PID controller

DG1 in pump and fan applications

### Catalogs

Eaton's Volume 6—Solid-State Motor Control

Datasheet

Product Range Catalog Drives Engineering

### Drawings

DG1\_FB\_(FR1-UL) 2D Drawing Xchange

DG1\_FB\_(FR1-UL) 2D PDF

DG1\_FB\_(FR1-UL) 3D Model Xchange

DG1\_FB\_(FR1-UL) AutoCAD 2D Footprint (mm)

DG1\_FB\_(FR1-UL) 3D Inventor

DG1\_FB\_(FR1-UL) AutoCAD 2D Footprint

### Installation instructions

PowerXL DG1 Series VFD Application Manual

PowerXL DG1 Series VFD Installation Manual

### Multimedia

Power XL General Purpose Drives

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

### Specifications and datasheets

Eaton Specification Sheet - DG1-32011FB-C21C

## Protection

Internal EMC filter, DC choke

## Output current - max

11 A

## Software

Active energy control, quick start wizard

## Number of slots

2 expansion slots

## Material

Coated board

## Power consumption

2.2 kW

## Electromagnetic compatibility filter

EMC Filter

## Internal DC choke

Yes

## Conformal coated boards

Yes

## User interface

Graphical Keypad

## High overload (CT) amps

11 A

## High overload (CT) kW

2.2 kW

## High overload (CT) hp

3 hp

## Low overload (VT) amps

12.5 A

## Low overload (VT) kW

3 kW

## Input voltage range

208 - 240 V

## Input frequency range

50 - 60 Hz

## Output frequency range

0 - 400 Hz

## Max overload

110% for 1 minute

#### Recommended fuse size

15

#### Communications onboard

EtherNet/IP, Modbus TCP, RS-485: Modbus RTU, BACnet  
MS/TP

#### Motor control modes

Frequency, Speed, Open-loop speed, Open-loop torque

#### Motor type

Inductio, PM (IPM & SPM)



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