

# 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

Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-32011FB-C21C
	UPC
	786685886046
Product Length/Depth	Product Height
17.5 in	13 in
Product Width	Product Weight
9 in	16 lb
Warranty	Compliances
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
	Certifications
	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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