

# Eaton DG1-32031FB-C21C

Catalog number: DG1-32031FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 7.5 kW 10 Hp CT 3PH 50/60 Hz 31A output IP21/type 1 FR3 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	DG1-32031FB-C21C
	<b>UPC</b>
	786685886084
<b>Product Length/Depth</b>	<b>Product Height</b>
27 in	16 in
<b>Product Width</b>	<b>Product Weight</b>
12 in	53 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.	GoST-R C-Tick Compliant RoHS Compliant CE Marked
	<b>Certifications</b>
	cUL Listed UL 508C UL Listed EN ISO 13849-1 IEC 61508 EN 62061
	<b>Catalog Notes</b>
	0

## defaultTaxonomyAttributeLabel

### Protection filtering

EMI, RFI Filter

### Maximum Current

31/48 A

### Phase

Three-phase in, three-phase out

### Rating

IP21

### Enclosure

IP21/type 1

### Number of slots

2 expansion slots

### Brake chopper

Brake chopper

### Input output

3 inputs, 3 outputs

### Power consumption

7.5 kW

### Horsepower

10 hp

### Frequency rating

50-60 Hz

### Voltage rating

220/230 V

### Protection

Internal EMC filter, DC choke

### Communication

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

### Special features

Coated board

### Input voltage

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

### Material

Coated board

## Resources

### Application notes

Real time clock and use of the timers

PID controller

Analog I/Os

Motor data and V/f curves

Digital I/Os

Electromagnetic compatibility (EMC)

Torque control

Smoke Mode and fire mode

Load balancing in multi motor applications

Connecting drives to generator supplies

DG1 in pump and fan applications

Operating at low temperatures

Dual Rating What exactly does that mean?

Starting, stopping and operation

### Catalogs

Eaton's Volume 6—Solid-State Motor Control

Product Range Catalog Drives Engineering

Datasheet

### Drawings

DG1\_FB\_(FR3-UL) 2D PDF

DG1\_FB\_(FR3-UL) 2D Drawing Xchange

DG1\_FB\_(FR3-UL) 3D Inventor

DG1\_FB\_(FR3-UL) 3D Model Xchange

DG1\_FB\_(FR3-UL) AutoCAD 2D Footprint (mm)

DG1\_FB\_(FR3-UL) AutoCAD 2D Footprint

### Installation instructions

PowerXL DG1 Series VFD Installation Manual

PowerXL DG1 Series VFD Application Manual

### Specifications and datasheets

Eaton Specification Sheet - DG1-32031FB-C21C

Output current - max

31 A

Frame size

3

Series

First generation

Type

Power XL

Keypad

Included

Software

Active energy control, quick start wizard

Torque rating

CT

Display

LCD graphical



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