

# 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



Photo is representative

## 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

## General

### Frame size

3

### Number of slots

2 expansion slots

### Protection

Internal EMC filter, DC choke

### Type

Power XL

## Communication

### Communication

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

## Resources

### Application notes

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

[DG1 in pump and fan applications](#)

[Starting, stopping and operation](#)

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

[Analog I/Os](#)

[Load balancing in multi motor applications](#)

[Digital I/Os](#)

[Smoke Mode and fire mode](#)

[Torque control](#)

[Connecting drives to generator supplies](#)

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

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

[Operating at low temperatures](#)

[PID controller](#)

### Catalogs

[Product Range Catalog Drives Engineering](#)

[Datasheet](#)

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

### Drawings

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

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

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

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

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

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

### 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 - DG1-32031FB-C21C



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