

# Eaton DG1-34061FN-C21C

Catalog number: DG1-34061FN-C21C

Eaton PowerXL DG1 variable frequency drive, 61A 400V input Three-phase mains connection/three-phase motor connection Internal EMC filter Graphic LCD display and keypad , NEMA 1



## General specifications

Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-34061FN-C21C
	UPC 786685878812
Product Length/Depth	Product Height
15 in	18.5 in
Product Width	Product Weight
28 in	83 lb
Warranty	Compliances
Eaton Selling Policy 25-000, one (1) year RoHS Compliant CE Marked C-Tick from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.	Compliant
	Certifications
	UL cULCE IEC/EN 61800-5-1 IEC 61800-5-2 UL 508C IEC 61508 EN 62061 EN ISO 13849-1

## defaultTaxonomyAttributeLabel

### Protection filtering

Internal EMC filter

### Phase

Three-phase main, three-phase motor

### Input voltage

400 V

### Output current - max

61 A

### Number of slots

2 expansion slots

### Frame size

4

### Type

AF drive

### Power consumption

1500 W

### Horsepower

20 hp

### NEMA rating

NEMA 1, IP21

### Frequency rating

50-60 Hz

### Software

Quick start wizard advanced PS tool

### Torque rating

50 hp constant torque

### Serial interface

RS-485 CANopen

### Display

LCD graphical

## Resources

### Application notes

[Connecting drives to generator supplies](#)

[Digital I/Os](#)

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

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

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

[Starting stopping and operation](#)

[Operating at low temperatures](#)

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

[Load balancing in multi motor applications](#)

[DG1 in pump and fan applications](#)

[Analog I/Os](#)

[Torque control](#)

[Smoke Mode and fire mode](#)

[PID controller](#)

### Catalogs

[Product Range Catalog Drives Engineering](#)

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

[Data sheet](#)

### Drawings

[DG1\\_FN\\_\(FR4-UL\) 2D PDF](#)

[DG1\\_FN\\_\(FR4-UL\) 2D Drawing Xchange](#)

[DG1\\_FN\\_\(FR4-UL\) AutoCAD 2D Footprint \(mm\)](#)

[DG1\\_FN\\_\(FR4-UL\) 3D Model Xchange](#)

[DG1\\_FN\\_\(FR4-UL\) 3D Inventor](#)

[DG1\\_FN\\_\(FR4-UL\) AutoCAD 2D Footprint](#)

### Installation instructions

[PowerXL DG1 Series VFD Application Manual](#)

[PowerXL DG1 Series VFD Installation Manual](#)

### Specifications and datasheets

[Eaton Specification Sheet - DG1-34061FN-C21C](#)



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