

Eaton DG1-32012FB-C21C

Catalog Number: DG1-32012FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 3 kW 5 Hp VT 3PH 50/60 Hz 12.5A output IP21/type 1 FR2 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	DG1-32012FB-C21C
	UPC
	786685886053

Product Length/Depth	Product Height
16.5 in	6.61 in

Product Width	Product Weight
9.63 in	25.5 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.	CE Marked RoHS Compliant C-Tick Compliant GoST-R

Certifications
cUL Listed UL 508C UL Listed EN 62061 EN ISO 13849-1 IEC 61508

General

Frame size

2

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

[PID controller](#)

[Analog I/Os](#)

[Torque control](#)

[DG1 in pump and fan applications](#)

[Smoke Mode and fire mode](#)

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

[Load balancing in multi motor applications](#)

[Digital I/Os](#)

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

[Operating at low temperatures](#)

[Connecting drives to generator supplies](#)

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

[Starting, stopping and operation](#)

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

Catalogs

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

[Product Range Catalog Drives Engineering](#)

[Datasheet](#)

Drawings

[DG1_FB_\(FR2-UL\) 3D Model Xchange](#)

[DG1_FB_\(FR2-UL\) AutoCAD 2D Footprint](#)

[DG1_FB_\(FR2-UL\) 2D Drawing Xchange](#)

[DG1_FB_\(FR2-UL\) AutoCAD 2D Footprint \(mm\)](#)

[DG1_FB_\(FR2-UL\) 3D Inventor](#)

Installation instructions

[PowerXL DG1 Series VFD Application Manual](#)

[PowerXL DG1 Series VFD Installation Manual](#)

Multimedia

[PowerXL DG1 Variable Frequency Drive - Setup via WebUI](#)

Power XL General Purpose Drives

Specifications and datasheets

Eaton Specification Sheet - DG1-32012FB-C21C



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)