

Eaton DG1-349D0FB-C21C

Catalog Number: DG1-349D0FB-C21C

Eaton PowerXL Series DG1 Drive, 480V FR1 , N1, 7.5HP (12A) VT W/ BC.



General specifications

Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-349D0FB-C21C
	UPC
	786685878782
Product Length/Depth	Product Height
28 in	16.8 in
Product Width	Product Weight
14.7 in	17 lb
Compliances	Certifications
Contact Manufacturer	Contact Manufacturer

defaultTaxonomyAttributeLabel

Horsepower

7.50 hp

Frame size

1

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

9 A

High overload (CT) kW

4 kW

High overload (CT) hp

5.6 hp

Low overload (VT) amps

12 A

Low overload (VT) kW

5.5 kW

Low overload (VT) hp

7.5 hp

Input voltage range

380 - 500 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

Resources

Application notes

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

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

[Connecting drives to generator supplies](#)

[Torque control](#)

[Smoke Mode and fire mode](#)

[Operating at low temperatures](#)

[Analog I/Os](#)

[Load balancing in multi motor applications](#)

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

[DG1 in pump and fan applications](#)

[Starting, stopping and operation](#)

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

[Digital I/Os](#)

[PID controller](#)

Brochures

[Variable frequency drive - Product overview](#)

Catalogs

[Data sheet](#)

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

[Product Range Catalog Drives Engineering](#)

Drawings

[DG1_FB_\(FR1-UL\) AutoCAD 2D Footprint](#)

[DG1_FB_\(FR1-UL\) AutoCAD 2D Footprint \(mm\)](#)

[DG1_FB_\(FR1-UL\) 2D PDF](#)

[DG1_FB_\(FR1-UL\) 3D Model Xchange](#)

[DG1_FB_\(FR1-UL\) 2D Drawing Xchange](#)

[DG1_FB_\(FR1-UL\) 3D Inventor](#)

Installation instructions

[PowerXL DG1 Series VFD Installation Manual](#)

[PowerXL DG1 Series VFD Application Manual](#)

Multimedia

[Power XL General Purpose Drives](#)

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

Specifications and datasheets

[Eaton Specification Sheet - DG1-349D0FB-C21C](#)

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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