

Eaton DG1-34061FB-C21C

Catalog Number: DG1-34061FB-C21C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 30 kW 40 Hp CT 3PH 50/60 Hz 61A IP21/type 1 enclosure FR4 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	DG1-34061FB-C21C
	UPC
	786685887722

Product Length/Depth	Product Height
27.5 in	16.25 in

Product Width	Product Weight
15 in	84 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.	GoST-R C-Tick Compliant CE Marked RoHS Compliant

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

defaultTaxonomyAttributeLabel

Brake chopper

Brake chopper

Horsepower

40 hp

Phase

Three-phase in, three-phase out

Frequency rating

50-60 Hz

Frame size

4

Keypad

Included

Input voltage

400 V, 380-500 V(-15%, +10%)

Display

LCD graphical

Torque rating

CT

Communication

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

Enclosure

IP21/type 1

Protection

Internal EMC filter, DC choke

Output current - max

61 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Material

Coated board

Power consumption

30 kW

Resources

Application notes

DG1 in pump and fan applications

Smoke Mode and fire mode

Torque control

Digital I/Os

Dual Rating What exactly does that mean?

Starting, stopping and operation

Electromagnetic compatibility (EMC)

Load balancing in multi motor applications

Motor data and V/f curves

Analog I/Os

PID controller

Real time clock and use of the timers

Operating at low temperatures

Connecting drives to generator supplies

Catalogs

Product Datasheet - DG1-34061FB-C21C

Eaton's Volume 6—Solid-State Motor Control

Product Range Catalog Drives Engineering

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 - DG1-34061FB-C21C

Warranty guides

Selling Policy 25-000 - Distribution and Control Products and Services

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

61 A

High overload (CT) kW

30 kW

High overload (CT) hp

40 hp

Low overload (VT) amps

72 A

Low overload (VT) kW

37 kW

Low overload (VT) hp

50 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

100

Communications onboard

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)



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)