

Eaton DG1-35013FB-C21C

Catalog Number: DG1-35013FB-C21C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 7.5 kW 10 Hp CT 3PH 50/60 Hz 13.5A output IP21/type 1 enclosure FR3 LCD display Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP

General specifications



Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-35013FB-C21C
	UPC
	786685975153

Product Length/Depth	Product Height
21 in	14.4 in

Product Width	Product Weight
10.2 in	27.4 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 C-Tick Compliant RoHS Compliant GoST-R

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

Product specifications

Max overload

110% for 1 minute

Protection filtering

Internal EMC filter and DC choke

High overload (CT) amps

13 A

Phase

Three-phase in, three-phase out

Motor control modes

Frequency, Speed, Open-loop speed, Open-loop torque

Internal DC choke

Yes

Conformal coated boards

Yes

Low overload (VT) kW

11 kW

Enclosure

IP21/type 1

Number of slots

2 expansion slots

Communications onboard

EtherNet/IP, Modbus TCP, RS-485: Modbus RTU, BACnet MS/TP

Motor type

Inductio, PM (IPM & SPM)

Electromagnetic compatibility filter

EMC Filter

User interface

Graphical Keypad

Brake chopper

Brake chopper

Power consumption

7.5 kW

High overload (CT) kW

7.5 kW

Resources

Application notes

[Smoke Mode and fire mode](#)

[Torque control](#)

[Load balancing in multi motor applications](#)

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

[Starting, stopping and operation](#)

[PID controller](#)

[Digital I/Os](#)

[Operating at low temperatures](#)

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

[DG1 in pump and fan applications](#)

[Connecting drives to generator supplies](#)

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

[Analog I/Os](#)

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

Catalogs

[Product Range Catalog Drives Engineering](#)

[Product Datasheet - DG1-35013FB-C21C](#)

Multimedia

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

[Power XL General Purpose Drives](#)

Specifications and datasheets

[Eaton Specification Sheet - DG1-35013FB-C21C](#)

Horsepower

10 hp

Frequency rating

50-60 Hz

Protection

Internal EMC filter, DC choke

Communication

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

Special features

Coated boards

Input voltage

575 V, 525-600 V(-15%, +10%)

Material

Coated board

Low overload (VT) hp

15 hp

Output current - max

13.5 A

Low overload (VT) amps

18 A

High overload (CT) hp

10 hp

Frame size

3

Output frequency range

0 - 400 Hz

Input voltage range

525 - 600 V

Recommended fuse size

25

Keypad

Included

Input frequency range

50 - 60 Hz

Software

Active energy control, quick start wizard

Torque rating

CT

Display

LCD graphical



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)