

Eaton DG1-35041FB-C21C

Catalog Number: DG1-35041FB-C21C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 30 kW 40 Hp CT 3PH 50/60 Hz 41A output IP21/type 1 FR5 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

Eaton PowerXL DG1 variable frequency drive

Catalog Number

DG1-35041FB-C21C

UPC

786685975252

Product Length/Depth

17 in

Product Height

28 in

Product Width

15 in

Product Weight

92 lb

Warranty

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.

Compliances

RoHS Compliant
CE Marked
C-Tick Compliant
GoST-R

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

Protection filtering

Internal EMC filter and DC choke

Special features

Coated boards

Frequency rating

50-60 Hz

Frame size

5

Keypad

Included

Input voltage

575 V, 525-600 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

41 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Resources

Application notes

Torque control

Smoke Mode and fire mode

Electromagnetic compatibility (EMC)

PID controller

Connecting drives to generator supplies

Real time clock and use of the timers

Load balancing in multi motor applications

Dual Rating What exactly does that mean?

Starting, stopping and operation

Analog I/Os

Operating at low temperatures

Digital I/Os

DG1 in pump and fan applications

Motor data and V/f curves

Catalogs

Product Datasheet - DG1-35041FB-C21C

Product Range Catalog Drives Engineering

Multimedia

Power XL General Purpose Drives

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

Specifications and datasheets

Eaton Specification Sheet - DG1-35041FB-C21C

Material

Coated board

Power consumption

30 kW

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

41 A

High overload (CT) kW

30 kW

High overload (CT) hp

40 hp

Low overload (VT) amps

52 A

Low overload (VT) kW

37 kW

Low overload (VT) hp

50 hp

Input voltage range

525 - 600 V

Input frequency range

50 - 60 Hz

Output frequency range

0 - 400 Hz

Max overload

110% for 1 minute

Recommended fuse size

63

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)



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