Product specifications

Eaton DG1-357D5FB-C21C

Catalog Number: DG1-357D5FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 3.7 kW 5 Hp CT 3PH 50/60 Hz 7.5A 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
Eaton PowerXL DG1 variable frequency drive

Catalog Number
DG1-357D5FB-C21C

UPC
786685975535

Product Length/Depth
13 in

Product Height
17.5 in

Product Width
9 in

Product Weight
16 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
C-Tick Compliant
CE Marked
RoHS Compliant
GoST-R

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

Powering Business Worldwide

Product specifications

Max overload

110% for 1 minute

Protection filtering

Internal EMC filter and DC choke

High overload (CT) amps

7.5 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

5.5 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

3.7 kW

High overload (CT) kW

3.7 kW

Resources

Application notes

PID controller

Digital I/Os

Dual Rating What exactly does that mean?

Starting, stopping and operation

DG1 in pump and fan applications

Real time clock and use of the timers

Analog I/Os

Motor data and V/f curves

Load balancing in multi motor applications

Operating at low temperatures

Connecting drives to generator supplies

Electromagnetic compatibility (EMC)

Smoke Mode and fire mode

Torque control

Catalogs

Product Datasheet - DG1-357D5FB-C21C

Product Range Catalog Drives Engineering

Specifications and datasheets

Eaton Specification Sheet - DG1-357D5FB-C21C

Horsepower

5 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

230 V, 208-240 V(-15%, +10%)

Material

Coated board

Low overload (VT) hp

7.5 hp

Output current - max

7.5 A

Low overload (VT) amps

10 A

High overload (CT) hp

5 hp

Frame size

2

Output frequency range

0 - 400 Hz

Input voltage range

525 - 600 V

Recommended fuse size

16

Keypad

Included

Input frequency range

50 - 60 Hz

Software

Active energy control, quick start wizard

Torque rating

CT

Display

LCD graphical

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