

# Eaton DG1-35022FB-C54C

Catalog Number: DG1-35022FB-C54C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 15 kW 20 Hp CT 3PH 50/60 Hz 22A output IP54/type 12 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

Eaton PowerXL DG1 variable frequency drive

### Catalog Number

DG1-35022FB-C54C

### UPC

786685975207

### Product Length/Depth

16.14 in

### Product Height

27.36 in

### Product Width

11.81 in

### Product Weight

50.71 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

## defaultTaxonomyAttributeLabel

### Brake chopper

Brake chopper

### Horsepower

20 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

4

### 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

IP54/type 12

### Protection

Internal EMC filter, DC choke

### Output current - max

22 A

### Software

Active energy control, quick start wizard

### Number of slots

2 expansion slots

## Resources

### Application notes

Real time clock and use of the timers

DG1 in pump and fan applications

Digital I/Os

Load balancing in multi motor applications

Analog I/Os

PID controller

Smoke Mode and fire mode

Torque control

Connecting drives to generator supplies

Motor data and V/f curves

Dual Rating What exactly does that mean?

Starting, stopping and operation

Operating at low temperatures

Electromagnetic compatibility (EMC)

### Catalogs

Product Datasheet - DG1-35022FB-C54C

Product Range Catalog Drives Engineering

### Multimedia

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

Power XL General Purpose Drives

### Specifications and datasheets

Eaton Specification Sheet - DG1-35022FB-C54C

### Warranty guides

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

Material

Coated board

Power consumption

15 kW



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