

# Eaton DG1-35125FN-C54C

Catalog Number: DG1-35125FN-C54C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 90 kW 125 Hp CT 3PH 50/60 Hz 125A output IP54/type 12 FR6 LCD display Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 expansion slots

## General specifications



### Product Name

Eaton PowerXL DG1 variable frequency drive

### Catalog Number

DG1-35125FN-C54C

### UPC

786685975498

### Product Length/Depth

17 in

### Product Height

15 in

### Product Width

44 in

### Product Weight

18 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

## General

### Frame size

6

### Number of slots

2 expansion slots

### Protection

Internal EMC filter, DC choke

## Communication

### Communication

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

## Resources

### Application notes

[PID controller](#)

[Smoke Mode and fire mode](#)

[Torque control](#)

[DG1 in pump and fan applications](#)

[Starting, stopping and operation](#)

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

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

[Digital I/Os](#)

[Load balancing in multi motor applications](#)

[Analog I/Os](#)

[Connecting drives to generator supplies](#)

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

[Operating at low temperatures](#)

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

### Catalogs

[Product Range Catalog Drives Engineering](#)

[Product Datasheet - DG1-35125FN-C54C](#)

### Multimedia

[Power XL General Purpose Drives](#)

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

### Specifications and datasheets

[Eaton Specification Sheet - DG1-35125FN-C54C](#)



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