Specifications



Photo is representative





Eaton DG1-34031FB-C21C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 15 kW 20 Hp CT, 3PH, 50/60 Hz, 31A ,output IP21/type 1 enclosure, FR4, LCD display, Internal EMC filter and DC choke EtherNet, RS-485

General specifications

PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-34031FB-C21C
UPC	786685878805
PRODUCT LENGTH/DEPTH	27 in
PRODUCT HEIGHT	16.5 in
PRODUCT WIDTH	12 in
PRODUCT WEIGHT	54 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 C-Tick Compliant CE Marked GoST-R
CERTIFICATIONS	EN 61800-5-1 UL 508C IEC 61508 EN ISO 13849-1 EN 62061 EN 61800-3 cUL Listed UL Listed
PRODUCT TYPE	Variable frequency drive

Powering Business Worldwide

Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	20 hp
PHASE	Three-phase in, three-phase out
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	IP21/type 1
INPUT OUTPUT	400 Vac (380-500 Vac)
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	31 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	15 kW

Resources

CATALOGS	Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2 eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf
MULTIMEDIA	Power XL General Purpose Drives PowerXL DG1 Variable Frequency Drive - Setup via WebUI
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-34031FB-C21C

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.