Specifications



Photo is representative





Eaton DG1-32031FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 7.5 kW 10 Hp CT 3PH 50/60 Hz 31A output IP21/type 1 FR3 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	DG1-32031FB-C21C
UPC	786685886084
PRODUCT LENGTH/DEPTH	27 in
PRODUCT HEIGHT	16 in
PRODUCT WIDTH	12 in
PRODUCT WEIGHT	53 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	GoST-R C-Tick Compliant RoHS Compliant CE Marked
CERTIFICATIONS	cUL Listed UL 508C UL Listed EN ISO 13849-1 IEC 61508 EN 62061
CATALOG NOTES	0
PRODUCT TYPE	Variable frequency drive

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Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	10 hp
PHASE	Three-phase in, three-phase out
PROTECTION FILTERING	EMI, RFI Filter
SPECIAL FEATURES	Coated board
TYPE	Power XL
FREQUENCY RATING	50-60 Hz
FRAME SIZE	3
KEYPAD	Included
INPUT VOLTAGE	230 V, 208-240 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	3 inputs, 3 outputs
MAXIMUM CURRENT	31/48 A
RATING	IP21
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	7.5 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	31 A
HIGH OVERLOAD (CT) KW	7.5 kW
HIGH OVERLOAD (CT) HP	10 hp
LOW OVERLOAD (VT) AMPS	48 A
LOW OVERLOAD (VT) KW	11 kW
LOW OVERLOAD (VT) HP	15 hp
INPUT VOLTAGE RANGE	208 - 240 V

Resources

CATALOGS	eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2
MULTIMEDIA	PowerXL DG1 Variable Frequency Drive - Setup via WebUI Power XL General Purpose Drives
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-32031FB-C21C

INPUT FREQUENCY RANGE	50 - 60 Hz
OUTPUT FREQUENCY RANGE	0 - 400 Hz
MAX OVERLOAD	110% for 1 minute
RECOMMENDED FUSE SIZE	60
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)

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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