Specifications



Photo is representative





Eaton DG1-32048FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 11 kW 15 Hp CT 3PH 50/60 Hz 48A output IP21/type 1 enclosure FR3 LCD display Internal EMC filter and DC choke EtherNet

General specifications	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-32048FB-C21C
UPC	786685886091
PRODUCT LENGTH/DEPTH	27 in
PRODUCT HEIGHT	16 in
PRODUCT WIDTH	11.5 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	RoHS Compliant GoST-R CE Marked C-Tick Compliant
CERTIFICATIONS	UL Listed cUL Listed UL 508C EN 62061 EN ISO 13849-1 IEC 61508
CATALOG NOTES	0
PRODUCT TYPE	Variable frequency drive

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Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	15 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	48/61 A
RATING	IP21
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	48 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	11 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	48 A
HIGH OVERLOAD (CT) KW	11 kW
HIGH OVERLOAD (CT) HP	15 hp
LOW OVERLOAD (VT) AMPS	61 A
LOW OVERLOAD (VT) KW	15 kW
LOW OVERLOAD (VT) HP	20 hp
INPUT VOLTAGE RANGE	208 - 240 V

Resources

CATALOGS	Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2 eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf
MULTIMEDIA	PowerXL DG1 Variable Frequency Drive - Setup via WebUI Power XL General Purpose Drives
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-32048FB-C21C

INPUT FREQUENCY RANGE	50 - 60 Hz
OUTPUT FREQUENCY RANGE	0 - 400 Hz
MAX OVERLOAD	110% for 1 minute
RECOMMENDED FUSE SIZE	80
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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