Specifications



Photo is representative





Eaton DG1-34061FN-C21C

Eaton PowerXL DG1 variable frequency drive, 61A 400V input Three-phase mains connection/three-phase motor connection Internal EMC filter Graphic LCD display and keypad , NEMA 1

General specifications	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-34061FN-C21C
UPC	786685878812
PRODUCT LENGTH/DEPTH	15 in
PRODUCT HEIGHT	18.5 in
PRODUCT WIDTH	28 in
PRODUCT WEIGHT	83 lb
WARRANTY	Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.
COMPLIANCES	RoHS Compliant CE Marked C-Tick Compliant
CERTIFICATIONS	UL cULCE IEC/EN 61800-5-1 IEC 61800-5-2 UL 508C IEC 61508 EN 62061 EN ISO 13849-1
PRODUCT TYPE	Variable frequency drive

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Product specifications

HORSEPOWER	20 hp
PHASE	Three-phase main, three-phase motor
PROTECTION FILTERING	Internal EMC filter
SERIAL INTERFACE	RS-485 CANopen
TYPE	AF drive
FREQUENCY RATING	50-60 Hz
FRAME SIZE	4
INPUT VOLTAGE	400 V
DISPLAY	LCD graphical
TORQUE RATING	50 hp constant torque
NEMA RATING	NEMA 1, IP21
OUTPUT CURRENT - MAX	61 A
SOFTWARE	Quick start wizard advanced PS tool
NUMBER OF SLOTS	2 expansion slots
POWER CONSUMPTION	1500 W
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	61 A
HIGH OVERLOAD (CT) KW	30 kW
HIGH OVERLOAD (CT) HP	40 hp
LOW OVERLOAD (VT) AMPS	72 A
LOW OVERLOAD (VT) KW	37 kW
LOW OVERLOAD (VT) HP	50 hp
INPUT VOLTAGE RANGE	380 - 500 V
INPUT FREQUENCY RANGE	50 - 60 Hz
OUTPUT FREQUENCY RANGE	0 - 400 Hz
MAX OVERLOAD	110% for 1 minute
RECOMMENDED FUSE SIZE	100
COMMUNICATIONS ONBOARD	EtherNet/IP, Modbus TCP, RS-485: Modbus RTU, BACnet MS/TP
MOTOR CONTROL MODES	Frequency, Speed, Open-loop speed, Open-loop torque

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 - DG1-34061FN-C21C

MOTOR TYPE	Inductio, PM (IPM & SPM)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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