

Specifications



Eaton DG1-345D6FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 2.2 kW 3 Hp CT 3PH 50/60 Hz 5.6A output IP21/type 1 FR1 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots Brake chopper

Photo is representative



General specifications

PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-345D6FB-C21C
UPC	786685878904
PRODUCT LENGTH/DEPTH	17.5 in
PRODUCT HEIGHT	13 in
PRODUCT WIDTH	9.5 in
PRODUCT WEIGHT	16 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 EN ISO 13849-1 EN 62061 IEC 61508 EN 61800-3 cUL Listed UL Listed

Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	3 hp
PHASE	Three-phase in, three-phase out
FREQUENCY RATING	50-60 Hz
FRAME SIZE	1
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	460 Vac (380-500 Vac, -15%, +10%)
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	5.6 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	2.2 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	5.6 A
HIGH OVERLOAD (CT) KW	2.2 kW
HIGH OVERLOAD (CT) HP	3 hp
LOW OVERLOAD (VT) AMPS	7.6 A
LOW OVERLOAD (VT) KW	3 kW
LOW OVERLOAD (VT) HP	5 hp
INPUT VOLTAGE RANGE	380 - 500 V
INPUT FREQUENCY RANGE	50 - 60 Hz
OUTPUT FREQUENCY	0 - 400 Hz

Resources

	Product Range Catalog Drives Engineering
CATALOGS	Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2
	Power XL General Purpose Drives
MULTIMEDIA	PowerXL DG1 Variable Frequency Drive - Setup via WebUI
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-345D6FB-C21C
WARRANTY GUIDES	Selling Policy 25-000 - Distribution and Control Products and Services

RANGE	
MAX OVERLOAD	110% for 1 minute
RECOMMENDED FUSE SIZE	10
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:



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

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