Specifications

Photo is representative

Eaton DM1-127D8NB-S20S

Eaton PowerXL DM1 series micro drive, Single-phase, 230 V, 7.8 A, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard

General specifications	
PRODUCT NAME	Eaton PowerXL DM1 micro variable frequency drive
CATALOG NUMBER	DM1-127D8NB-S20S
UPC	786689350475
PRODUCT LENGTH/DEPTH	7.09 in
PRODUCT HEIGHT	8.66 in
PRODUCT WIDTH	4.29 in
PRODUCT WEIGHT	5.8 lb
CERTIFICATIONS	UL Listed

Powering Business Worldwide

Product specifications

BRAKE CHOPPER	Internal brake chopper
SERIES	DM1
DRIVE TYPE	General purpose
FRAME SIZE	FR2
ENCLOSURE RATING	IP00
INPUT PHASES	Single-phase
OUTPUT PHASES	Three-phase
ELECTROMAGNETIC COMPATIBILITY FILTER	No
INTERNAL CHOKE	No
INTERNAL LINE REACTOR	No
AMBIENT OPERATING TEMPERATURE RANGE	• -10 to 50 °C CT • -10 to 40 °C VT
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Multi-segment
INPUT VOLTAGE RANGE	200-240 Vac
INPUT FREQUENCY RANGE	50-60 Hz
OUTPUT FREQUENCY RANGE	0-400 Hz
MAX OVERLOAD	200 %
FUSE SIZE - MAX	80
MOUNTING TYPE	DIN rail Panel mount
DIGITAL INPUTS	4
ANALOG INPUTS	1
RELAY OUTPUTS	2
DIGITAL OUTPUTS	0
HIGH OVERLOAD (CT) HP	2
HIGH OVERLOAD (CT) KW	1.5
LOW OVERLOAD (VT) KW	2.2
LOW OVERLOAD (VT) AMPS	11
HIGH OVERLOAD (CT) AMPS	7.8
LOW OVERLOAD (VT) HP	3
COMMUNICATIONS ONBOARD	Modbus RTU Modbus TCP Ethernet/IP BACnet IP BACnet MS/TP

Resources

SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DM1-127D8NB-S20S

	Bluetooth
COMMUNICATIONS OPTIONAL	CANopen PROFIBUS SmartWireDT
MOTOR CONTROL MODES	V/Hz Open loop vector control
MOTOR TYPE	Induction Induction motor Permanent magnet motor (SPM/IPM)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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

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