Specifications

Photo is representative

Eaton DM1-114D8NB-S20S

Eaton PowerXL DM1 series micro drive, Single-phase, 115 V, 4.8 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	DM1-114D8NB-S20S
UPC	786689350970
PRODUCT LENGTH/DEPTH	7.09 in
PRODUCT HEIGHT	8.66 in
PRODUCT WIDTH	4.29 in
PRODUCT WEIGHT	5.8 lb
CERTIFICATIONS	UL Listed

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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	110-120 Vac
INPUT FREQUENCY RANGE	50-60 Hz
OUTPUT FREQUENCY RANGE	0-400 Hz
MAX OVERLOAD	200 %
FUSE SIZE - MAX	90
MOUNTING TYPE	DIN rail Panel mount
DIGITAL INPUTS	4
ANALOG INPUTS	1
RELAY OUTPUTS	2
DIGITAL OUTPUTS	0
HIGH OVERLOAD (CT) HP	1
HIGH OVERLOAD (CT) KW	0.75
LOW OVERLOAD (VT) KW	1.5
LOW OVERLOAD (VT) AMPS	7.8
HIGH OVERLOAD (CT) AMPS	4.8
LOW OVERLOAD (VT) HP	2
COMMUNICATIONS ONBOARD	Modbus RTU Modbus TCP Ethernet/IP BACnet IP BACnet MS/TP

Resources

SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DM1-114D8NB-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:

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