



□□□□□

Eaton DM1-342D2EB-S20S-EM

Eaton PowerXL DM1 series micro drive, Three-phase, 400 V, 2.2 A, Internal EMC filter, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard, EMEA region

□□□□

PRODUCT NAME	Eaton PowerXL DM1 micro variable frequency drive
CATALOG NUMBER	DM1-342D2EB-S20S-EM
UPC	786689349141
PRODUCT LENGTH/DEPTH	7.03 in
PRODUCT HEIGHT	5.98 in
PRODUCT WIDTH	2.83 in
PRODUCT WEIGHT	2.6 lb
CERTIFICATIONS	UL Listed

BRAKE CHOPPER Internal brake chopper

SERIES DM1

DRIVE TYPE General purpose

FRAME SIZE FR1

ENCLOSURE RATING IP00

INPUT PHASES Three-phase

OUTPUT PHASES Three-phase

**ELECTROMAGNETIC
COMPATIBILITY FILTER** Yes

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 380-480 Vac

**INPUT FREQUENCY
RANGE** 50-60 Hz

**OUTPUT FREQUENCY
RANGE** 0-400 Hz

MAX OVERLOAD 200 %

FUSE SIZE - MAX 10

MOUNTING TYPE Panel mount
DIN rail

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** 4.3

**HIGH OVERLOAD (CT)
AMPS** 2.2

LOW OVERLOAD (VT) HP 2

**COMMUNICATIONS
ONBOARD** Modbus RTU
Modbus TCP
Ethernet/IP
BACnet IP
BACnet MS/TP
Bluetooth

COMMUNICATIONS CANopen

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