

# Specifications

Photo is representative

## Eaton DM1-342D2EB-S20S

Eaton PowerXL DM1 micro variable frequency 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

### General specifications

<b>PRODUCT NAME</b>	Eaton PowerXL DM1 micro variable frequency drive
<b>CATALOG NUMBER</b>	DM1-342D2EB-S20S
<b>UPC</b>	786689349127
<b>PRODUCT LENGTH/DEPTH</b>	7.03 in
<b>PRODUCT HEIGHT</b>	5.98 in
<b>PRODUCT WIDTH</b>	2.83 in
<b>PRODUCT WEIGHT</b>	2.6 lb
<b>CERTIFICATIONS</b>	UL Listed

## Product specifications

<b>BRAKE CHOPPER</b>	Internal brake chopper
<b>SERIES</b>	DM1
<b>DRIVE TYPE</b>	General purpose
<b>FRAME SIZE</b>	FR1
<b>ENCLOSURE RATING</b>	IP00
<b>INPUT PHASES</b>	Three-phase
<b>OUTPUT PHASES</b>	Three-phase
<b>ELECTROMAGNETIC COMPATIBILITY FILTER</b>	Yes
<b>INTERNAL CHOKE</b>	No
<b>INTERNAL LINE REACTOR</b>	No
<b>AMBIENT OPERATING TEMPERATURE RANGE</b>	<ul style="list-style-type: none"> <li>-10 to 50 °C CT</li> <li>-10 to 40 °C VT</li> </ul>
<b>CONFORMAL COATED BOARDS</b>	Yes
<b>USER INTERFACE</b>	Multi-segment
<b>INPUT VOLTAGE RANGE</b>	380-480 Vac
<b>INPUT FREQUENCY RANGE</b>	50-60 Hz
<b>OUTPUT FREQUENCY RANGE</b>	0-400 Hz
<b>MAX OVERLOAD</b>	200 %
<b>FUSE SIZE - MAX</b>	10
<b>MOUNTING TYPE</b>	Panel mount DIN rail
<b>DIGITAL INPUTS</b>	4
<b>ANALOG INPUTS</b>	1
<b>RELAY OUTPUTS</b>	2
<b>DIGITAL OUTPUTS</b>	0
<b>HIGH OVERLOAD (CT) HP</b>	1
<b>HIGH OVERLOAD (CT) KW</b>	0.75
<b>LOW OVERLOAD (VT) KW</b>	1.5
<b>LOW OVERLOAD (VT) AMPS</b>	4.3
<b>HIGH OVERLOAD (CT) AMPS</b>	2.2
<b>LOW OVERLOAD (VT) HP</b>	2
<b>COMMUNICATIONS ONBOARD</b>	Modbus RTU Modbus TCP Ethernet/IP BACnet IP BACnet MS/TP

## Resources

### SPECIFICATIONS AND DATASHEETS

[Eaton Specification Sheet - DM1-342D2EB-S20S](#)

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

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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