

# Eaton DM1-116D9EB-S20S

Catalog Number: DM1-116D9EB-S20S

Eaton PowerXL DM1 series micro drive, Single-phase, 115 V, 6.9 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>	<b>Catalog Number</b>
Eaton PowerXL DM1 micro variable frequency drive	DM1-116D9EB-S20S
	UPC
	786689351090
<b>Product Length/Depth</b>	<b>Product Height</b>
7.09 in	8.66 in
<b>Product Width</b>	<b>Product Weight</b>
4.29 in	5.8 lb
<b>Certifications</b>	
UL Listed	



**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**

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**

110-120 Vac

**Input frequency range**

50-60 Hz

**Output frequency range**

0-400 Hz

**Max overload**

200 %

**Specifications and datasheets**

Eaton Specification Sheet - DM1-116D9EB-S20S

Fuse size - max

125

Mounting Type

DIN rail

Panel mount

Digital inputs

4

Analog inputs

1

Relay outputs

2

Digital outputs

0

High overload (CT) hp

1.5

High overload (CT) kW

1.1

Low overload (VT) kW

1.5

Low overload (VT) amps

7.8

High overload (CT) amps

6.9

Low overload (VT) hp

2

Communications onboard

Modbus RTU

Modbus TCP

Ethernet/IP

BACnet IP

BACnet MS/TP

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)



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