

# Eaton DM1-124D8EB-S20S

Catalog Number: DM1-124D8EB-S20S

Eaton PowerXL DM1 series micro drive, Single-phase, 230 V, 4.8 A, Internal EMC filter, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard

Photo is representative

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton PowerXL DM1 micro variable frequency drive	DM1-124D8EB-S20S
	UPC
	786689350307
<b>Product Length/Depth</b>	<b>Product Height</b>
7.03 in	5.98 in
<b>Product Width</b>	<b>Product Weight</b>
2.83 in	2.6 lb
<b>Certifications</b>	
UL Listed	



[Brake chopper](#)

Internal brake chopper

[Series](#)

DM1

[Drive type](#)

General purpose

[Frame size](#)

FR1

[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](#)

200-240 Vac

[Input frequency range](#)

50-60 Hz

[Output frequency range](#)

0-400 Hz

[Max overload](#)

200 %

[Specifications and datasheets](#)

Eaton Specification Sheet - DM1-124D8EB-S20S

#### Fuse size - max

60

#### 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

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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