

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

General specifications

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



Product specifications

Max overload

200 %

High overload (CT) amps

4.8

Motor control modes

V/Hz

Open loop vector control

Conformal coated boards

Yes

Low overload (VT) kW

1.5

Ambient operating temperature range

-10 to 50 °C CT

-10 to 40 °C VT

Communications onboard

Modbus RTU

Modbus TCP

Ethernet/IP

BACnet IP

BACnet MS/TP

Bluetooth

Motor type

Induction

Induction motor

Permanent magnet motor (SPM/IPM)

Electromagnetic compatibility filter

Yes

Fuse size - max

60

Internal choke

No

User interface

Multi-segment

Brake chopper

Internal brake chopper

Input phases

Single-phase

Resources

Specifications and datasheets

[Eaton Specification Sheet - DM1-124D8EB-S20S](#)

High overload (CT) kW

0.75

Digital inputs

4

Output phases

Three-phase

Analog inputs

1

Mounting Type

DIN rail

Panel mount

Digital outputs

0

Low overload (VT) hp

2

Low overload (VT) amps

7.8

Internal line reactor

No

High overload (CT) hp

1

Frame size

FR1

Output frequency range

0-400 Hz

Series

DM1

Communications optional

CANopen

PROFIBUS

SmartWireDT

Relay outputs

2

Input voltage range

200-240 Vac

Input frequency range

50-60 Hz

Enclosure rating

IP00

Drive type

General purpose



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30 Pembroke Road
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Eaton.com

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