

Eaton DM1-34031EB-S20S

Catalog Number: DM1-34031EB-S20S

Eaton PowerXL DM1 series micro drive, Three-phase, 400 V, 31 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

Product Name	Catalog Number
Eaton PowerXL DM1 micro variable frequency drive	DM1-34031EB-S20S
	UPC
	786689349646
Product Length/Depth	Product Height
7.68 in	11.81 in
Product Width	Product Weight
7.24 in	13.9 lb
Certifications	
UL Listed	



[Brake chopper](#)

Internal brake chopper

[Series](#)

DM1

[Drive type](#)

General purpose

[Frame size](#)

FR4

[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 %

[Specifications and datasheets](#)

Eaton Specification Sheet - DM1-34031EB-S20S

Fuse size - max

70

Mounting Type

Panel mount

Digital inputs

4

Analog inputs

1

Relay outputs

2

Digital outputs

0

High overload (CT) hp

20

High overload (CT) kW

15

Low overload (VT) kW

18.5

Low overload (VT) amps

38

High overload (CT) amps

31

Low overload (VT) hp

25

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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