

Eaton DM1-321D6EB-S20S

Catalog Number: DM1-321D6EB-S20S

Eaton PowerXL DM1 series micro drive, Three-phase, 230 V, 1.6 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	DM1-321D6EB-S20S
	UPC
	786689351311
Product Length/Depth	Product Height
7.03 in	5.98 in
Product Width	Product Weight
2.83 in	2.6 lb
Certifications	
UL Listed	



[Brake chopper](#)

Internal brake chopper

[Series](#)

DM1

[Drive type](#)

General purpose

[Frame size](#)

FR1

[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](#)

200-240 Vac

[Input frequency range](#)

50-60 Hz

[Output frequency range](#)

0-400 Hz

[Max overload](#)

200 %

[Specifications and datasheets](#)

Eaton Specification Sheet - DM1-321D6EB-S20S

Fuse size - max

6

Mounting Type

Panel mount

DIN rail

Digital inputs

4

Analog inputs

1

Relay outputs

2

Digital outputs

0

High overload (CT) hp

0.25

High overload (CT) kW

0.18

Low overload (VT) kW

0.37

Low overload (VT) amps

3

High overload (CT) amps

1.6

Low overload (VT) hp

0.5

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)



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)