

# Eaton DM1-345D6EB-S20S

Catalog Number: DM1-345D6EB-S20S

Eaton PowerXL DM1 series micro drive, Three-phase, 400 V, 5.6 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	DM1-345D6EB-S20S
	UPC
	786689349608
Product Length/Depth	Product Height
7.03 in	5.98 in
Product Width	Product Weight
2.83 in	3.9 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](#)

380-480 Vac

[Input frequency range](#)

50-60 Hz

[Output frequency range](#)

0-400 Hz

[Max overload](#)

200 %

[Specifications and datasheets](#)

Eaton Specification Sheet - DM1-345D6EB-S20S

#### Fuse size - max

30

#### Mounting Type

Panel mount

DIN rail

#### Digital inputs

4

#### Analog inputs

1

#### Relay outputs

2

#### Digital outputs

0

#### High overload (CT) hp

3

#### High overload (CT) kW

2.2

#### Low overload (VT) kW

3

#### Low overload (VT) amps

7.6

#### High overload (CT) amps

5.6

#### Low overload (VT) hp

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