

# Eaton DM1-34016EB-S20S

Catalog Number: DM1-34016EB-S20S

Eaton PowerXL DM1 micro variable frequency drive, Three-phase, 400 V, 16 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 | DM1-34016EB-S20S |
| Product Length/Depth                             | Product Height   |
| 7.09 in  | 8.66 in          |
| Product Width                                    | Product Weight   |
| 4.29 in  | 5.8 lb           |
| Certifications                                   |                  |
| UL Listed  |                  |

## defaultTaxonomyAttributeLabel

Brake chopper  
Internal brake chopper

Series

DM1

Drive type  
General purpose

Frame size

FR2

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

## Resources

Specifications and datasheets  
Eaton Specification Sheet - DM1-34016EB-S205

200 %

**Fuse size - max**

60

**Mounting Type**

Panel mount

DIN rail

**Digital inputs**

4

**Analog inputs**

1

**Relay outputs**

2

**Digital outputs**

0

**High overload (CT) hp**

10

**High overload (CT) kW**

7.5

**Low overload (VT) kW**

11

**Low overload (VT) amps**

23

**High overload (CT) amps**

16

**Low overload (VT) hp**

15

**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)