

# Eaton DM1-34012EB-S20S

Catalog Number: DM1-34012EB-S20S

Eaton PowerXL DM1 micro variable frequency drive, Three-phase, 400 V, 12 A, Internal EMC filter, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton PowerXL DM1 micro variable frequency drive	DM1-34012EB-S20S
	<b>UPC</b>
	786689348922
<b>Product Length/Depth</b>	<b>Product Height</b>
7.09 in	8.66 in
<b>Product Width</b>	<b>Product Weight</b>
4.29 in	5.8 lb
<b>Certifications</b>	
UL Listed	



## Product specifications

### Max overload

200 %

### High overload (CT) amps

12

### Motor control modes

V/Hz

Open loop vector control

### Conformal coated boards

Yes

### Low overload (VT) kW

7.5

### 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

40

### Internal choke

No

### User interface

Multi-segment

### Brake chopper

Internal brake chopper

### Input phases

Three-phase

## Resources

### Specifications and datasheets

Eaton Specification Sheet - DMI-34012EB-S20S

High overload (CT) kW

5.5

Digital inputs

4

Output phases

Three-phase

Analog inputs

1

Mounting Type

DIN rail

Panel mount

Digital outputs

0

Low overload (VT) hp

10

Low overload (VT) amps

16

Internal line reactor

No

High overload (CT) hp

7.5

Frame size

FR2

Output frequency range

0-400 Hz

Series

DM1

Communications optional

CANopen

PROFIBUS

SmartWireDT

Relay outputs

2

Input voltage range

380-480 Vac

Input frequency range

50-60 Hz

Enclosure rating

IP00

Drive type

General purpose



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

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