Product specifications

Eaton DM1-35010NB-S20S

Catalog Number: DM1-35010NB-S20S

Eaton PowerXL DM1 micro variable frequency drive, Three-phase, 575V, FR2, 5.5KW, 7.5HP, IP20, Non-EMI US

General specifications

Product Name
Eaton PowerXL DM1 micro variable frequency drive

Catalog Number
DM1-35010NB-S20S

UPC
786689577971

Product Length/Depth
109 mm

Product Height
220 mm

Product Width
180 mm

Product Weight
2.63 kg

Certifications
UL Listed

Product specifications

Max overload

200 %

High overload (CT) amps

10

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 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 - DM1-35010NB-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

13.5

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

525-600 Vac

Input frequency range

50-60 Hz

Enclosure rating

IP20

Drive type

General purpose

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

© 2023 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia