

# Eaton DM1-35022NB-S20S

Catalog Number: DM1-35022NB-S20S

Eaton PowerXL DM1 micro variable frequency drive, Three-phase, 575V, FR4, 15KW, 20HP, IP20, Non-EMI US

## General specifications

|  |                       |
|--|-----------------------|
| <b>Product Name</b>                              | <b>Catalog Number</b> |
| Eaton PowerXL DM1 micro variable frequency drive | DM1-35022NB-S20S      |
|  | <b>UPC</b>            |
|  | 786689577780          |
| <b>Product Length/Depth</b>                      | <b>Product Height</b> |
| 184 mm   | 300 mm                |
| <b>Product Width</b>                             | <b>Product Weight</b> |
| 195 mm   | 6.3 kg                |
| <b>Certifications</b>                            |                       |
| UL Listed  |                       |



[Brake chopper](#)

Internal brake chopper

[Series](#)

DM1

[Drive type](#)

General purpose

[Frame size](#)

FR4

[Enclosure rating](#)

IP20

[Input phases](#)

Three-phase

[Output phases](#)

Three-phase

[Electromagnetic compatibility filter](#)

No

[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](#)

525-600 Vac

[Input frequency range](#)

50-60 Hz

[Output frequency range](#)

0-400 Hz

[Max overload](#)

200 %

[Specifications and datasheets](#)

Eaton Specification Sheet - DM1-35022NB-S20S

#### Fuse size - max

70

#### Mounting Type

DIN rail

Panel mount

#### Digital inputs

4

#### Analog inputs

1

#### Relay outputs

2

#### Digital outputs

0

#### High overload (CT) hp

20

#### High overload (CT) kW

15

#### Low overload (VT) kW

18.5

#### Low overload (VT) amps

27

#### High overload (CT) amps

22

#### Low overload (VT) hp

25

#### 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 motor

Permanent magnet motor (SPM/IPM)



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