

INDUSTRIAL COMPONENT DATA

DA1-35012NB-A20C 177039 Y7-177039 EATON ELECTRIC

Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35012NB-A20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35012NB-A20C
Catalog number	Y7-177039
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2E70C706AD
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, IP20/NEMA 0, 7-digital display assembly

DA1-35012NB-A20C

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 500 \text{ V AC}$, 3-phase, 600 V AC, 3-phase, Output voltage with V_e : $U_2 = 500 \text{ V AC}$, 3-phase, 600 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500 (-10\%) - 600 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 12 \text{ A}$, Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of $+50 \text{ }^\circ\text{C}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1 at 50 Hz or 1800 min-1 at 60 Hz , Overload cycle for 60 s every 600 s, at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5 \text{ kW}$, 150 % Overload: $I_M = 12 \text{ A}$, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5 \text{ kW}$, 150 % Overload: $I_M = 11.6 \text{ A}$, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 11 \text{ A}$, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): Ethernet IP, DeviceNet, PROFIBUS, PROFINET, Modbus-TCP, EtherCAT, SmartWire-DT, Fitted with: Brake chopper , 7-d...

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path **EATON - MOELLER > Power XL Frequency Converters**

Additional Product Information

General specifications

Product Name Eaton DA1 Variable frequency drive Catalog Number 177039 Model Code DA1-35012NB-A20C EAN

4015081714827 Product Length/Depth 204 mm Product Height 273 mm Product Width 131 mm Product Weight 3.5 kg

Certifications IEC/EN61800-5

RCM

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

CSA-C22.2 No. 14

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

CE

Certified by UL for use in Canada

IEC/EN 61800-3

UL 508C

RoHS, ISO 9001

UL

Safety: EN 61800-5-1: 2003

CUL

UL report applies to both US and Canada

EAC Catalog Notes The brake resistors are assigned based on the maximum rated power of the variable frequency drive.

Additional brake resistors and designs (e.g. different duty cycles) are available upon request. General

Cable length 200 m, screened, with motor choke, maximum permissible, Motor feeder

100 m, screened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder Communication interface CANopen®, built in

PROFINET, optional

DeviceNet, optional

Modbus-TCP, optional

EtherCAT, optional

Modbus RTU, built in

PROFIBUS, optional

SmartWire-DT, optional

OP-Bus (RS485), built in

Ethernet IP, optional Connection to SmartWire-DT In conjunction with DX-NET-SWD1 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Fitted with: Brake chopper

PC connection

IGBT inverter

7-digital display assembly

Breaking resistance....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35012NB-A20C with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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