

INDUSTRIAL COMPONENT DATA

**DA1-35022NB-A20C 177041 Y7-177041 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 22 A, 15 kW, I..**

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35022NB-A20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35022NB-A20C
Catalog number	Y7-177041
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-9AC207FD47
Generated	2026-08-04

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 22 A, 15 kW, IP20/NEMA 0, 7-digital display assembly
DA1-35022NB-A20C

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 500$ V AC, 3-phase, 600 V AC, 3-phase, Output voltage with V_e : $U_2 = 500$ V AC, 3-phase, 600 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500$ (-10%) - 600 (+10%) V, Rated operational current At 150% overload: $I_e = 22$ A, Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of +50 °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: $P = 15$ kW, 150 % Overload: $I_M = 22$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 15$ kW, 150 % Overload: $I_M = 22$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 20$ HP, Assigned motor rating 150 % Overload: $I_M = 22$ 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-digita...

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 177041 Model Code DA1-35022NB-A20C EAN

4015081714841 Product Length/Depth 204 mm Product Height 273 mm Product Width 131 mm Product Weight 3.5 kg

Certifications UL report applies to both US and Canada

Safety: EN 61800-5-1: 2003

UL File No.: E172143

EAC

CE

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

CUL

UL 508C

UkrSEPRO

RCM

CSA-C22.2 No. 14

RoHS, ISO 9001

Certified by UL for use in Canada

IEC/EN61800-5

UL

Specification for general requirements: IEC/EN 61800-2

IEC/EN 61800-3 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 100 m, screened, maximum permissible, Motor feeder

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

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

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

EtherCAT, optional

OP-Bus (RS485), built in

Ethernet IP, optional

Modbus-TCP, optional

PROFINET, optional

DeviceNet, optional

PROFIBUS, optional

SmartWire-DT, optional

Modbus RTU, built in 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

Breaking resistance

IGBT inverter

Internal DC link

Control un...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35022NB-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.