

INDUSTRIAL COMPONENT DATA

**DA1-35041NB-B20C 197501 Y7-197501 EATON ELECTRIC
Frequency inverter, 500 V AC, 3-phase, 43 A, 30 kW, IP20/NE..**

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35041NB-B20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35041NB-B20C
Catalog number	Y7-197501
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-08F549F27F
Generated	2026-08-06

Product Overview

Frequency inverter, 500 V AC, 3-phase, 43 A, 30 kW, IP20/NEMA 0, Additional PCB protection, FS5

DA1-35041NB-B20C

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: $I_e = 43$ 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: $P = 30$ kW, 150 % Overload: $I_M = 43$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 30$ kW, 150 % Overload: $I_M = 42$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 40$ HP, Assigned motor rating 150 % Overload: $I_M = 41$ 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 , OLED displ...

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 197501 Model Code DA1-35041NB-B20C EAN

4015081940769 Product Length/Depth 261 mm Product Height 485 mm Product Width 234 mm Product Weight 18.2 kg

Certifications IEC/EN 61800-3

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

IEC/EN 61800-2

Safety: EN 61800-5-1: 2003

Certified by UL for use in Canada

CUL

CE

IEC/EN61800-3

UkrSEPRO

UL 508C

EAC

UL

UL report applies to both US and Canada

IEC/EN61800-5

RCM

RoHS, ISO 9001 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 cable length

100 m, screened, maximum permissible cable length

150 m, unscreened, maximum permissible cable length

200 m, unscreened, with motor choke, maximum permissible cable length Communication interface EtherCAT, optional

OP-Bus (RS485)

Modbus-TCP, optional

PROFINET, optional

Modbus RTU

Ethernet IP, optional

DeviceNet, optional

PROFIBUS, optional

CANopen®

SmartWire-DT, 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

Internal DC link

IGBT inverter

Additional PCB protection

PC connection

Control unit

OLED display

Breaking resistance Frame size FS5 Functions 4-quadrant operation po...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35041NB-B20C 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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