

INDUSTRIAL COMPONENT DATA

DA1-35054NB-B20C 197502 Y7-197502 EATON ELECTRIC

Frequency inverter, 500 V AC, 3-phase, 54 A, 37 kW, IP20/NE..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35054NB-B20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35054NB-B20C
Catalog number	Y7-197502
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-B6F36A0882
Generated	2026-08-06

Product Overview

Frequency inverter, 500 V AC, 3-phase, 54 A, 37 kW, IP20/NEMA 0, Additional PCB protection, DC link choke, FS5 DA1-35054NB-B20C

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: $I_e = 54 \text{ A}$, 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: $P = 37 \text{ kW}$, 150 % Overload: $I_M = 64 \text{ A}$, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 37 \text{ kW}$, 150 % Overload: $I_M = 51.5 \text{ A}$, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 50 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 52 \text{ A}$, 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 cho...

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 197502 Model Code DA1-35054NB-B20C EAN

4015081940776 Product Length/Depth 261 mm Product Height 485 mm Product Width 234 mm Product Weight 18.2 kg

Certifications IEC/EN61800-5

Safety: EN 61800-5-1: 2003

EAC

UL

Certified by UL for use in Canada

UL File No.: E172143

RCM

RoHS, ISO 9001

IEC/EN 61800-3

IEC/EN61800-3

IEC/EN 61800-2

UkrSEPRO

CE

CUL

UL report applies to both US and Canada

UL Category Control No.: NMMS, NMMS7

UL 508C 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 150 m, unscreened, maximum permissible cable length

100 m, screened, maximum permissible cable length

200 m, screened, with motor choke, maximum permissible cable length

200 m, unscreened, with motor choke, maximum permissible cable length Communication interface CANopen®

Modbus RTU

EtherCAT, optional

OP-Bus (RS485)

Modbus-TCP, optional

Ethernet IP, optional

SmartWire-DT, optional

DeviceNet, optional

PROFIBUS, optional

PROFINET, optional Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD1 SmartWire DT module Degree of protection IP20

NEMA Other Fitted with: PC connection

OLED display

Additional PCB protection

IGBT inverter

Brake chopper

DC link choke

Control unit

Internal DC link

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

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35054NB-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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