

INDUSTRIAL COMPONENT DATA

DA1-35028NB-B20C 197499 Y7-197499 EATON ELECTRIC

Frequency inverter, 500 V AC, 3-phase, 28 A, 18.5 kW, IP20/..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35028NB-B20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35028NB-B20C
Catalog number	Y7-197499
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-4082455C3A
Generated	2026-08-06

Product Overview

Frequency inverter, 500 V AC, 3-phase, 28 A, 18.5 kW, IP20/NEMA 0, Additional PCB protection, FS4
DA1-35028NB-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: $I_e = 28 \text{ A}$, 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: $P = 18.5 \text{ kW}$, 150 % Overload: $I_M = 28 \text{ A}$, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 18.5 \text{ kW}$, 150 % Overload: $I_M = 27.6 \text{ A}$, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 25 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 27 \text{ A}$, 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, OL...

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 197499 Model Code DA1-35028NB-B20C EAN

4015081940745 Product Length/Depth 241 mm Product Height 419 mm Product Width 173 mm Product Weight 9.2 kg

Certifications CUL

IEC/EN 61800-2

UL 508C

UL report applies to both US and Canada

IEC/EN61800-3

IEC/EN 61800-3

EAC

IEC/EN61800-5

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

RoHS, ISO 9001

Safety: EN 61800-5-1: 2003

CE

RCM

UL

UL File No.: E172143 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, unscreened, with motor choke, maximum permissible 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 Communication interface OP-Bus (RS485)

PROFIBUS, optional

Modbus RTU

PROFINET, optional

EtherCAT, optional

DeviceNet, optional

Modbus-TCP, optional

Ethernet IP, optional

CANopen®

SmartWire-DT, optional Connection to SmartWire-DT Yes

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

NEMA Other Fitted with: OLED display

IGBT inverter

Brake chopper

PC connection

Internal DC link

Breaking resistance

Additional PCB protection

Control unit Frame size FS4 Functions 4-quadrant operation pos...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35028NB-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

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.