

## INDUSTRIAL COMPONENT DATA

# DC1-127D0NB-A20N 169231 EATON ELECTRIC Variable Frequency Drive, 1-/3- 230 V, 7.0 A, 1.5 kW, Brake-Chopper

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-127D0NB-A20N



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-127D0NB-A20N                   |
| Catalog number  | 169231                             |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-FBD3080535                      |
| Generated       | 2026-08-06                         |

## Product Overview

Variable Frequency Drive, 1-/3- 230 V, 7.0 A, 1.5 kW, Brake-Chopper

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 230 \text{ V AC}$ , 1-phase, 240 V AC, single-phase, Output voltage with  $V_e$ :  $U_2 = 230 \text{ V AC}$ , 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 7 \text{ A}$ , Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of  $+50^\circ \text{C}$ , 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 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 1.5 \text{ kW}$ , 150 % Overload:  $I_M = 6.3 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 2 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 6.8 \text{ A}$ , Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Brake chopper, 7-digital display assembly, Frame size: FS2, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: I...

## 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

Delivery programme Product range Variable frequency drives

Part group reference (e.g. DIL) DC1

Rated operational voltage  $U_e$  230 V AC, 1-phase

240 V AC, single-phase

Output voltage with  $V_e U_2$  230 V AC, 3-phase

240 V AC, 3-phase

Mains voltage (50/60Hz) ULN V 200 (-10%) - 240 (+10%)

Rated operational current

At 150% overload  $I_e$  A 7

Note Rated operational current at an operating frequency of 16 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-1at 50 Hz or

1800 min-1at 60 Hz

Note Overload cycle for 60 s every 600 s

Note at 230 V, 50 Hz

150 % Overload P kW 1.5

150 % Overload IM A 6.3

Note at 220 - 240 V, 60 Hz

150 % Overload P HP 2

150 % Overload IM A 6.8

Degree of Protection IP20/NEMA 0

Interface/field bus (built-in) OP-Bus (RS485)/Modbus RTU, CANopen®

Fieldbus connection (optional) SmartWire-DT

Fitted with Brake chopper

7-digital display assembly

Frame size FS2

Connection to SmartWire-DT with SmartWire-DT module DX-NET-SWD3

Technical data General

Standards Specification for general requirements: IEC/EN 61800-2

EMC requirements: IEC/EN 61800-3

Safety requirements: IEC/EN 61800-5-1

Certifications CE, UL, cUL, c-Tick, Ukr Sepro, EAC

Production quality RoHS, ISO 9001

Climatic proofing ?w % < 95%, average relative humidity (RH), non-condensing, non-corrosive

Ambient temperature

operation (150 % overload) ? °C -10 - +50

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## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-127D0NB-A20N with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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