

INDUSTRIAL COMPONENT DATA

DC1-1D5D8NB-A20N 169509 EATON ELECTRIC Variable Frequency Drive, 1 ph 115 V, 5.8 A, 1.5 kW, Brake-Chopper

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-1D5D8NB-A20N



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-1D5D8NB-A20N
Catalog number	169509
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-AFAF52C40E
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Product Overview

Variable Frequency Drive, 1 ph 115 V, 5.8 A, 1.5 kW, Brake-Chopper

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 115 \text{ V AC}$, single-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 110 (-10\%) - 115 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 5.8 \text{ A}$, Note: Rated operational current at an operating frequency of 16 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.1 \text{ kW}$, 150 % Overload: $I_M = 4.6 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 5.8 \text{ A}$, 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: IEC/EN 61800-5-1

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
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Additional Product Information

Delivery programme Product range Variable frequency drives

Part group reference (e.g. DIL) DC1

Rated operational voltage U_e 115 V AC, single-phase

Output voltage with V_e U2 230 V AC, 3-phase

Mains voltage (50/60Hz) ULN V 110 (-10%) - 115 (+10%)

Rated operational current

At 150% overload I_e A 5.8

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 1.1

150 % Overload IM A 4.6

Note at 220 - 240 V, 60 Hz

150 % Overload P HP 1.5

150 % Overload IM A 5.8

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

Storage ? °C -40 - +60

Radio inte...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-1D5D8NB-A20N with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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