

INDUSTRIAL COMPONENT DATA

DB1-122D3FN-N2CC 197193 Y7-197193 EATON ELECTRIC
Variable frequency drive, 230 V AC, 1-phase, 2.3 A, 0.37 kW..

Brand: EATON - MOELLER | Manufacturer Part Number: DB1-122D3FN-N2CC



Manufacturer	EATON - MOELLER
MPN / Reference	DB1-122D3FN-N2CC
Catalog number	Y7-197193
Category	Frequency converter less than 1 kV
Minimum order	10 Pcs
Document ID	EO-B1A1A0F894
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Product Overview

Variable frequency drive, 230 V AC, 1-phase, 2.3 A, 0.37 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 DB1-122D3FN-N2CC

Variable frequency drive, Part group reference (e.g. DIL): DB1, 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: $I_e = 2.3 \text{ A}$, Note: Rated operational current at an operating frequency of 8 kHz and an ambient air temperature of $+60^\circ\text{C}$, depending on cooling, 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: $P = 0.37 \text{ kW}$, 150 % Overload: $I_M = 2.3 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 0.5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 2.3 \text{ A}$, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fitted with: Radio interference suppression filter, Frame size: FS1, Standards: General requirements: IEC/EN 61800-2, EMV - 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

General specifications

Product Name Eaton DB1 Variable frequency drive Catalog Number 197193 Model Code DB1-122D3FN-N2CC EAN 4015080896821 Product Length/Depth 74 mm Product Height 130 mm Product Width 118 mm Product Weight 0.7 kg

Certifications IEC/EN61800-5

RCM

UL File No.: E172143

Certified by UL for use in Canada

IEC/EN 61800-3

RoHS, ISO 9001

CE

UL 508C

CSA-C22.2 No. 14

IEC/EN61800-3

CUL

IEC/EN 61800-2

Safety: EN 61800-5-1: 2003

UL

UL Category Control No.: NMMS, NMMS7

UL report applies to both US and Canada

CSA

CSA-C22.2 No. 274

IEC/EN 61800-5-1

CE marking Features & Functions

Features Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App) Fitted with: Radio interference suppression filter

PC connection

Internal DC link

IGBT inverter

Additional PCB protection General

Cable length 10 m, screened, maximum permissible cable length

C2 <= 3 m, maximum motor cable length

C3 <= 10 m, maximum motor cable length

C1 <= 1 m, maximum motor cable length Communication interface OP-Bus (RS485)

Modbus RTU

CANopen® Connection to SmartWire-DT No Degree of protection IP20

NEMA Other Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size FS1 Number of slots 1 (expansion) Product Category Variable frequency drives Protection Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4) Protocol Other bus systems

CAN

MODBUS Radio interference class C1: for conducted em...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DB1-122D3FN-N2CC 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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