

INDUSTRIAL COMPONENT DATA

DB1-344D1FB-N2CC 197564 EATON ELECTRIC Cool Plate Frequency Converter Ent: 3 x 400 V Salt: 3 x 400 V 4.1 A 1..

Brand: EATON - MOELLER | Manufacturer Part Number: DB1-344D1FB-N2CC



Manufacturer	EATON - MOELLER
MPN / Reference	DB1-344D1FB-N2CC
Catalog number	197564
Category	Frequency converter less than 1 kV
Minimum order	10 Pcs
Document ID	EO-05EBB51C44
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Product Overview

Cool Plate Frequency Converter; Ent: 3 x 400 V; Salt: 3 x 400 V; 4.1 A; 1.5 kW; V/f, SLV; EMC Filter; Braking transistor; IP20

Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW, IP20/NEMA0, Radio interference suppression filter, Additional PCB protection, FS2

Frequency inverter, Part group reference (e.g. DIL): DB1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-10\%) - 480 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 4.1 \text{ A}$, 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 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 4.1 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 4.1 \text{ A}$, 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: FS2, Standards: General requireme...

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 DB1 Variable frequency drive Catalog Number 197564 Model Code DB1-344D1FB-N2CC EAN

4015081943333 Product Length/Depth 89 mm Product Height 193 mm Product Width 140 mm Product Weight 1.15 kg

Certifications IEC/EN61800-3

IEC/EN 61800-2

IEC/EN61800-5

UL Category Control No.: NMMS, NMMS7

CE

UL report applies to both US and Canada

IEC/EN 61800-3

UL

RCM

CSA-C22.2 No. 14

CUL

RoHS, ISO 9001

UL File No.: E172143

UL 508C

Certified by UL for use in Canada

Safety: EN 61800-5-1: 2003 Features & Functions

Fitted with: IGBT inverter

Internal DC link

Radio interference suppression filter

Breaking resistance

PC connection General

Cable length C2 ≤ 3 m, maximum motor cable length

C1 ≤ 1 m, maximum motor cable length

C3 ≤ 10 m, maximum motor cable length Communication interface Modbus RTU

OP-Bus (RS485)

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 FS2 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 CAN

MODBUS

Other bus systems Radio interference class C1: for conducted emissions only

C2, C3: depending on the motor cable length, the connected load, and ambient conditions. External radio interference suppression filters (optional) may be necessary. Suitable for Branch circuits, (UL/CSA) Ambient conditions, mech...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DB1-344D1FB-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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