

INDUSTRIAL COMPONENT DATA

DB1-345D8FB-N2CC 197565 Y7-197565 EATON ELECTRIC DB1-345D8FB-N2CC

Brand: EATON - MOELLER | Manufacturer Part Number: DB1-345D8FB-N2CC



Manufacturer	EATON - MOELLER
MPN / Reference	DB1-345D8FB-N2CC
Catalog number	Y7-197565
Category	Frequency converter less than 1 kV
Minimum order	10 Pcs
Document ID	EO-371B82E5D7
Generated	2026-08-04

Product Overview

DB1-345D8FB-N2CC

Eaton DB1 Variable frequency drive, 480 V AC, 3-phase, 7.5 A, NEMA Other, IP20, FS2, Radio interference 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: $I_e = 5.8 \text{ A}$, 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: $P = 2.2 \text{ kW}$, 150 % Overload: $I_M = 5.8 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, 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®, Fitted with: Radio interference suppression filter, Frame size: FS2, 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
--------------	---

Additional Product Information

General specifications

Product Name Eaton DB1 Variable frequency drive

Catalog Number 197565

Model Code DB1-345D8FB-N2CC

EAN 4015081943340

Product Length/Depth 89 mm

Product Height 193 mm

Product Width 140 mm

Product Weight 1.15 kg

Certifications Certified by UL for use in Canada

IEC/EN 61800-3

UL report applies to both US and Canada

CE

IEC/EN 61800-2

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

RCM

UL

IEC/EN61800-5

CSA-C22.2 No. 14

RoHS, ISO 9001

Safety: EN 61800-5-1: 2003

UL 508C

CUL

CSA-C22.2 No. 274

IEC/EN 61800-5-1

CE marking

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.

Features & Functions

Features Tool-less swapping of fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Fitted with: Radio interference suppression filter

Internal DC link

IGBT inverter

Breaking resistance

PC connection

Additional PCB protection

General information

Cable length C2 ≤ 3 m, maximum motor cable length

C3 ≤ 10 m, maximum motor cable length

C1 ≤ 1 m, maximum motor cable length

10 m, screened, maximum permissible 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 environmen...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DB1-345D8FB-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

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.