

INDUSTRIAL COMPONENT DATA

DC1-344D1FB-A20CE1 185749 Y7-185749 EATON ELECTRIC
Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 k..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-344D1FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-344D1FB-A20CE1
Catalog number	Y7-185749
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-A35AD462B7
Generated	2026-08-04

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2

DC1-344D1FB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2 DC1-344D1FB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, 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 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 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 3.6 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 3.4 \text{ A}$, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio inter...

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 DC1 Variable frequency drive Catalog Number 185749 Model Code DC1-344D1FB-A20CE1 EAN 4015081812486 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 1.2 kg

Certifications IEC/EN61800-5

RCM

IEC/EN 61800-3

IEC/EN61800-3

UL

Certified by UL for use in Canada

CE

RoHS, ISO 9001

UkrSEPRO

Specification for general requirements: IEC/EN 61800-2

UL 508C

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

CSA-C22.2 No. 14

Safety requirements: IEC/EN 61800-5-1

UL report applies to both US and Canada

EAC

CUL Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: IGBT inverter

Brake chopper

Radio interference suppression filter

PC connection

7-digital display assembly

Control unit

Internal DC link

Breaking resistance

Additional PCB protection Functions 4-quadrant operation possible General

Cable length 200 m, screened, with motor choke, maximum permissible, Motor feeder

C3 ≤ 25 m, Radio interference level, maximum motor cable length

C2 ≤ 5 m, Radio interference level, maximum motor cable length

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in

SmartWire-DT, optional Co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-344D1FB-A20CE1 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.