

INDUSTRIAL COMPONENT DATA

DC1-34030FB-A20CE1 185780 Y7-185780 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 30 A, 15 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34030FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34030FB-A20CE1
Catalog number	Y7-185780
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-E286554E98
Generated	2026-08-05

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 30 A, 15 kW, IP20/NEMA 0, Brake chopper, braking transistor, FS4 DC1-34030FB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 30 A, 15 kW, IP20/NEMA 0, Brake chopper, braking transistor, FS4 DC1-34030FB-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: $I_e = 30 \text{ A}$, 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: $P = 15 \text{ kW}$, 150 % Overload: $I_M = 30 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 20 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 30 \text{ A}$, 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: F...

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 185780 Model Code DC1-34030FB-A20CE1 EAN

4015081812790 Product Length/Depth 211 mm Product Height 418.5 mm Product Width 173 mm Product Weight 8.4 kg

Certifications Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5-1

CUL

IEC/EN 61800-3

RCM

UL report applies to both US and Canada

IEC/EN61800-3

UL 508C

UL Category Control No.: NMMS, NMMS7

EAC

IEC/EN61800-5

UL

CE

UkrSEPRO

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2

CSA-C22.2 No. 14

UL File No.: E172143 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: IGBT inverter

7-digital display assembly

Internal DC link

PC connection

Control unit

Brake chopper

Breaking resistance

Additional PCB protection

Radio interference suppression filter Functions 4-quadrant operation possible General

Cable length 100 m, screened, maximum permissible, Motor feeder

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

300 m, unscreened, with motor choke, maximum permissible, Motor feeder

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

150 m, unscreened, maximum permissible, Motor feeder

C3 ≤ 25 m, Radio interference level, maximum motor cable length Communication interface OP-Bus (RS485), built in
SmartWire-DT, optional

CANopen®, built in

Modbus RTU, built in....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34030FB-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

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