

## INDUSTRIAL COMPONENT DATA

**DC1-34046FB-A20CE1 185782 Y7-185782 EATON ELECTRIC**  
**Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW,..**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34046FB-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-34046FB-A20CE1                 |
| Catalog number  | Y7-185782                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-E322F5EF98                      |
| Generated       | 2026-08-06                         |

**Product Overview**

Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS4

DC1-34046FB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS4 DC1-34046FB-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:  $I_e = 46 \text{ A}$ , 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:  $P = 22 \text{ kW}$ , 150 % Overload:  $I_M = 46 \text{ A}$ , Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 30 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 46 \text{ A}$ , 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 interference...

## 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

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### General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185782 Model Code DC1-34046FB-A20CE1 EAN 4015081812813 Product Length/Depth 211 mm Product Height 418.5 mm Product Width 173 mm Product Weight 8.4 kg

Certifications Specification for general requirements: IEC/EN 61800-2

Safety requirements: IEC/EN 61800-5-1

UL

Certified by UL for use in Canada

EAC

RoHS, ISO 9001

IEC/EN61800-3

IEC/EN 61800-3

UkrSEPRO

CSA-C22.2 No. 14

IEC/EN61800-5

RCM

UL 508C

UL File No.: E172143

UL report applies to both US and Canada

CE

UL Category Control No.: NMMS, NMMS7

CUL Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Brake chopper

PC connection

Control unit

Radio interference suppression filter

Breaking resistance

IGBT inverter

Internal DC link

7-digital display assembly

Additional PCB protection Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible, Motor feeder

C2 <= 5 m, Radio interference level, maximum motor cable length

C3 <= 25 m, Radio interference level, maximum motor cable length

100 m, screened, maximum permissible, Motor feeder

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

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

OP-Bus (RS485), built in

SmartWire-DT, optional

CANopen®, built in....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34046FB-A20CE1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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