

**INDUSTRIAL COMPONENT DATA**

# DC1-345D8FB-A20CE1 185752 Y7-185752 EATON ELECTRIC

## Variable frequency drive, 400 V AC, 3-phase, 5.8 A, 2.2 k..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-345D8FB-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-345D8FB-A20CE1                 |
| Catalog number  | Y7-185752                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-792F8299B8                      |
| Generated       | 2026-08-04                         |

### Product Overview

Variable frequency drive, 400 V AC, 3-phase, 5.8 A, 2.2 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2

DC1-345D8FB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 5.8 A, 2.2 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2 DC1-345D8FB-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:  $I_e = 5.8 \text{ A}$ , 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:  $P = 2.2 \text{ kW}$ , 150 % Overload:  $I_M = 5 \text{ A}$ , Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 3 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 4.8 \text{ A}$ , 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 interfe...

**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 185752 Model Code DC1-345D8FB-A20CE1 EAN 4015081812516 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 2 kg

Certifications IEC/EN61800-5

Specification for general requirements: IEC/EN 61800-2

CUL

Safety requirements: IEC/EN 61800-5-1

CE

IEC/EN61800-3

RCM

CSA-C22.2 No. 14

EAC

UL 508C

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

UL report applies to both US and Canada

Certified by UL for use in Canada

IEC/EN 61800-3

UL

RoHS, ISO 9001

UkrSEPRO Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: 7-digital display assembly

Brake chopper

Internal DC link

PC connection

Control unit

IGBT inverter

Radio interference suppression filter

Breaking resistance

Additional PCB protection Functions 4-quadrant operation possible General

Cable length C2 ≤ 5 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

150 m, unscreened, maximum permissible, Motor feeder

C3 ≤ 25 m, Radio interference level, maximum motor cable length Communication interface SmartWire-DT, optional

OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in Conn...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-345D8FB-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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