

INDUSTRIAL COMPONENT DATA

DC1-127D0FB-A20CE1 185812 Y7-185812 EATON ELECTRIC

Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-127D0FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-127D0FB-A20CE1
Catalog number	Y7-185812
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-7F7D0C0332
Generated	2026-08-04

Product Overview

Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2

DC1-127D0FB-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2 DC1-127D0FB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 7 \text{ A}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 6.3 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 6.8 \text{ A}$, 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 interf...

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
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Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185812 Model Code DC1-127D0FB-A20CE1 EAN 4015081813117 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 2 kg

Certifications EAC

UkrSEPRO

UL

UL Category Control No.: NMMS, NMMS7

UL 508C

Safety requirements: IEC/EN 61800-5-1

RoHS, ISO 9001

RCM

UL File No.: E172143

IEC/EN 61800-3

CUL

Certified by UL for use in Canada

CSA-C22.2 No. 14

IEC/EN61800-5

Specification for general requirements: IEC/EN 61800-2

UL report applies to both US and Canada

CE

IEC/EN61800-3 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: IGBT inverter

7-digital display assembly

Control unit

Breaking resistance

Radio interference suppression filter

PC connection

Brake chopper

Internal DC link

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

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

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

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

C1 ≤ 1 m, Radio interference level, maximum motor cable length

150 m, unscreened, maximum permissible, Motor feeder Communication interface CANopen®, built in

Modbus RTU...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-127D0FB-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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