

## INDUSTRIAL COMPONENT DATA

**DC1-127D0NN-A20CE1 185791 Y7-185791 EATON ELECTRIC**  
**Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW,..**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-127D0NN-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-127D0NN-A20CE1                 |
| Catalog number  | Y7-185791                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-CD944D065F                      |
| Generated       | 2026-08-06                         |

**Product Overview**

Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP20/NEMA 0, FS1

DC1-127D0NN-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP20/NEMA 0, FS1 DC1-127D0NN-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: 7-digital display assembly, Frame size: FS1, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requ...

## 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 &gt; Power XL Frequency Converters

**Additional Product Information**

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185791 Model Code DC1-127D0NN-A20CE1 EAN

4015081812905 Product Length/Depth 124 mm Product Height 184 mm Product Width 81 mm Product Weight 1.2 kg

Certifications CSA-C22.2 No. 14

RoHS, ISO 9001

UL report applies to both US and Canada

UL 508C

RCM

CE

UL Category Control No.: NMMS, NMMS7

IEC/EN61800-5

Safety requirements: IEC/EN 61800-5-1

UL

Certified by UL for use in Canada

UL File No.: E172143

EAC

UkrSEPRO

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

CUL

IEC/EN 61800-3 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: IGBT inverter

7-digital display assembly

PC connection

Internal DC link

Control unit

Additional PCB protection General

Cable length 75 m, unscreened, maximum permissible, Motor feeder

50 m, screened, maximum permissible, Motor feeder

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

150 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

OP-Bus (RS485), built in

CANopen®, built in

Modbus RTU, built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Frame size FS1 Mounting position Vertical Product category Variable frequency drives Protection Finger and back-of-hand proo...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-127D0NN-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

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