

INDUSTRIAL COMPONENT DATA

DC1-327D0NB-A20CE1 185827 Y7-185827 EATON ELECTRIC
Variable frequency drive, 230 V AC, 3-phase, 7 A, 1.5 kW,...

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-327D0NB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-327D0NB-A20CE1
Catalog number	Y7-185827
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-EBCB26EAAB
Generated	2026-08-05

Product Overview

Variable frequency drive, 230 V AC, 3-phase, 7 A, 1.5 kW, IP20/NEMA 0, Brake chopper, FS2

DC1-327D0NB-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 7 A, 1.5 kW, IP20/NEMA 0, Brake chopper, FS2

DC1-327D0NB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-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: Brake chopper, 7-digital display assembly, Frame size: FS2, Standards: Specification for genera...

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 185827 Model Code DC1-327D0NB-A20CE1 EAN 4015081813261 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 2 kg

Certifications IEC/EN61800-3

CE

RCM

CSA-C22.2 No. 14

RoHS, ISO 9001

Certified by UL for use in Canada

UL

Safety requirements: IEC/EN 61800-5-1

UL File No.: E172143

UL report applies to both US and Canada

CUL

IEC/EN 61800-3

Specification for general requirements: IEC/EN 61800-2

EAC

IEC/EN61800-5

UkrSEPRO

UL 508C

UL Category Control No.: NMMS, NMMS7 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Brake chopper

Internal DC link

IGBT inverter

Control unit

Breaking resistance

7-digital display assembly

PC connection

Additional PCB protection Functions 4-quadrant operation possible General

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

150 m, unscreened, maximum permissible, Motor feeder

100 m, screened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface OP-Bus (RS485), built in

CANopen®, built in

Modbus RTU, built in

SmartWire-DT, optional Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD3 SmartWire DT module Degree of protection IP20

NEMA Other Frame size FS2 Mounting position Vertical Product...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-327D0NB-A20CE1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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