

INDUSTRIAL COMPONENT DATA

DC1-345D8NB-A20CE1 185730 Y7-185730 EATON ELECTRIC

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

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-345D8NB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-345D8NB-A20CE1
Catalog number	Y7-185730
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-CAD92EB368
Generated	2026-08-05

Product Overview

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

DC1-345D8NB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 5.8 A, 2.2 kW, IP20/NEMA 0, Brake chopper, FS2

DC1-345D8NB-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: Brake chopper, 7-digital display assembly, Frame size: FS2, Standards: Specification for ge...

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 185730 Model Code DC1-345D8NB-A20CE1 EAN

4015081812295 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 2 kg

Certifications RCM

Safety requirements: IEC/EN 61800-5-1

UL

UL report applies to both US and Canada

UkrSEPRO

IEC/EN 61800-3

Specification for general requirements: IEC/EN 61800-2

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

CUL

UL File No.: E172143

CE

UL 508C

RoHS, ISO 9001

Certified by UL for use in Canada

CSA-C22.2 No. 14

IEC/EN61800-5

EAC Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: IGBT inverter

Brake chopper

Breaking resistance

Control unit

PC connection

7-digital display assembly

Internal DC link

Additional PCB protection Functions 4-quadrant operation possible General

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

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

200 m, screened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in SmartWire-DT, optional

OP-Bus (RS485), built in

CANopen®, built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

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

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-345D8NB-A20CE1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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