

INDUSTRIAL COMPONENT DATA

DC1-34046NB-A20CE1 185844 Y7-185844 EATON ELECTRIC
Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34046NB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34046NB-A20CE1
Catalog number	Y7-185844
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-D604682294
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW, IP20/NEMA 0, Brake chopper, FS4

DC1-34046NB-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: $I_e = 46 \text{ A}$, 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: $P = 22 \text{ kW}$, 150 % Overload: $I_M = 46 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 30 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 46 \text{ A}$, 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: FS4, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 61800-5-1

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

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185844 Model Code DC1-34046NB-A20CE1 EAN 4015081813438 Product Length/Depth 211 mm Product Height 418.5 mm Product Width 173 mm Product Weight 8.4 kg

Certifications Specification for general requirements: IEC/EN 61800-2

UL File No.: E172143

CE

UL

CUL

UkrSEPRO

UL 508C

IEC/EN 61800-3

RoHS, ISO 9001

Safety requirements: IEC/EN 61800-5-1

UL report applies to both US and Canada

IEC/EN61800-5

RCM

Certified by UL for use in Canada

CSA-C22.2 No. 14

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

EAC Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: 7-digital display assembly

Internal DC link

Brake chopper

Control unit

IGBT inverter

Breaking resistance

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

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

100 m, screened, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

SmartWire-DT, optional

CANopen®, built in

OP-Bus (RS485), built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Frame size FS4 Mounting position Vertical Pro...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34046NB-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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