

INDUSTRIAL COMPONENT DATA

DC1-32030FB-A20CE1 185775 Y7-185775 EATON ELECTRIC
Variable frequency drive, 230 V AC, 3-phase, 30 A, 7.5 kW..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32030FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32030FB-A20CE1
Catalog number	Y7-185775
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-6B6EB8899B
Generated	2026-08-05

Product Overview

Variable frequency drive, 230 V AC, 3-phase, 30 A, 7.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS4

DC1-32030FB-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: $I_e = 30 \text{ A}$, 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: $P = 7.5 \text{ kW}$, 150 % Overload: $I_M = 30 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 30 \text{ A}$, 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 interference suppression filter, Brake chopper, 7-digital display assembly, Frame size: FS4, 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 > Power XL Frequency Converters

Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185775 Model Code DC1-32030FB-A20CE1 EAN

4015081812745 Product Length/Depth 211 mm Product Height 418.5 mm Product Width 173 mm Product Weight 8.4 kg

Certifications CUL

RCM

UL File No.: E172143

IEC/EN61800-3

CSA-C22.2 No. 14

UL

UL report applies to both US and Canada

EAC

Safety requirements: IEC/EN 61800-5-1

UL 508C

IEC/EN61800-5

Specification for general requirements: IEC/EN 61800-2

RoHS, ISO 9001

UkrSEPRO

CE

IEC/EN 61800-3

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Control unit

7-digital display assembly

Internal DC link

PC connection

Breaking resistance

Radio interference suppression filter

IGBT inverter

Brake chopper

Additional PCB protection Functions 4-quadrant operation possible General

Cable length C2 ≤ 5 m, Radio interference level, maximum motor cable length

150 m, unscreened, maximum permissible, Motor feeder

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

100 m, screened, maximum permissible, Motor feeder

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

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

OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32030FB-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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