

INDUSTRIAL COMPONENT DATA

DC1-32024FB-A20CE1 185774 Y7-185774 EATON ELECTRIC
Variable frequency drive, 230 V AC, 3-phase, 24 A, 5.5 kW..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32024FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32024FB-A20CE1
Catalog number	Y7-185774
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-704E876C0E
Generated	2026-08-05

Product Overview

Variable frequency drive, 230 V AC, 3-phase, 24 A, 5.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS3

DC1-32024FB-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: $I_e = 24 \text{ A}$, 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: $P = 5.5 \text{ kW}$, 150 % Overload: $I_M = 24 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 7.5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 24 \text{ A}$, 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: FS3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC req...

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 185774 Model Code DC1-32024FB-A20CE1 EAN

4015081812738 Product Length/Depth 175 mm Product Height 273 mm Product Width 129 mm Product Weight 6 kg

Certifications CE

CSA-C22.2 No. 14

IEC/EN61800-3

IEC/EN 61800-3

Certified by UL for use in Canada

RoHS, ISO 9001

Safety requirements: IEC/EN 61800-5-1

UL 508C

RCM

UL

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

EAC

IEC/EN61800-5

CUL

Specification for general requirements: IEC/EN 61800-2

UkrSEPRO

UL report applies to both US and Canada Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Control unit

Breaking resistance

7-digital display assembly

Brake chopper

IGBT inverter

Radio interference suppression filter

Internal DC link

PC connection

Additional PCB protection Functions 4-quadrant operation possible General

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

C3 <= 25 m, Radio interference level, maximum motor cable length

100 m, screened, maximum permissible, Motor feeder

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

150 m, unscreened, maximum permissible, Motor feeder

C2 <= 5 m, Radio interference level, maximum motor cable length Communication interface CANopen®, built in

OP-Bus (RS485), built in

Modbus RTU, built in

SmartWire-DT, optional Conn...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32024FB-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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