

INDUSTRIAL COMPONENT DATA

DC1-34024FB-A20CE1 185764 Y7-185764 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 24 A, 11 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34024FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34024FB-A20CE1
Catalog number	Y7-185764
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-6E7FCDC1AB
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 24 A, 11 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS3

DC1-34024FB-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 24 A, 11 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS3 DC1-34024FB-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: $I_e = 24 \text{ A}$, Note: Rated operational current at a switching frequency of 8 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: $P = 11 \text{ kW}$, 150 % Overload: $I_M = 21.7 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 15 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 21 \text{ A}$, 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...

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 185764 Model Code DC1-34024FB-A20CE1 EAN 4015081812639 Product Length/Depth 175 mm Product Height 273 mm Product Width 129 mm Product Weight 6 kg

Certifications CE

UkrSEPRO

EAC

RCM

CSA-C22.2 No. 14

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

UL report applies to both US and Canada

Certified by UL for use in Canada

RoHS, ISO 9001

UL

IEC/EN61800-5

UL File No.: E172143

IEC/EN 61800-3

UL 508C

Safety requirements: IEC/EN 61800-5-1

CUL

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

7-digital display assembly

Radio interference suppression filter

IGBT inverter

PC connection

Breaking resistance

Control unit

Additional PCB protection Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible, Motor feeder

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

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

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 Communication interface SmartWire-DT, optional

OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in Conn...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34024FB-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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