

INDUSTRIAL COMPONENT DATA

DC1-12011FB-A20CE1 185815 Y7-185815 EATON ELECTRIC
Variable frequency drive, 230 V AC, 1-phase, 10.5 A, 2.2 ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-12011FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-12011FB-A20CE1
Catalog number	Y7-185815
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-9C25C50A6A
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Product Overview

Variable frequency drive, 230 V AC, 1-phase, 10.5 A, 2.2 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS2

DC1-12011FB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 1-phase, 240 V AC, single-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: $I_e = 10.5 \text{ A}$, 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: $P = 2.2 \text{ kW}$, 150 % Overload: $I_M = 8.7 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 9.6 \text{ A}$, 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: FS2, Standards: Specification for general requirements: IEC/EN 61800-2...

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 185815 Model Code DC1-12011FB-A20CE1 EAN

4015081813148 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 2 kg

Certifications UL 508C

UL File No.: E172143

IEC/EN61800-3

CE

Safety requirements: IEC/EN 61800-5-1

UkrSEPRO

UL

UL report applies to both US and Canada

IEC/EN 61800-3

RCM

UL Category Control No.: NMMS, NMMS7

CSA-C22.2 No. 14

IEC/EN61800-5

Certified by UL for use in Canada

CUL

EAC

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Brake chopper

Control unit

Radio interference suppression filter

Breaking resistance

IGBT inverter

7-digital display assembly

Internal DC link

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

C2 <= 5 m, Radio interference level, maximum motor cable length

C1 <= 1 m, Radio interference level, maximum motor cable length

C3 <= 25 m, Radio interference level, maximum motor cable length Communication interface Modbus RTU, built in
OP-Bus (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-12011FB-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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