

INDUSTRIAL COMPONENT DATA

DA1-12011FB-A20C 169084 Y7-169084 EATON ELECTRIC

Variable frequency drive, 230 V AC, 1-phase, 10.5 A, 2.2 kW..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-12011FB-A20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-12011FB-A20C
Catalog number	Y7-169084
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-7A3C2ADCC1
Generated	2026-08-04

Product Overview

Variable frequency drive, 230 V AC, 1-phase, 10.5 A, 2.2 kW, IP20/NEMA 0, Radio interference suppression filter, 7-digital display assembly

DA1-12011FB-A20C

Variable frequency drive, Part group reference (e.g. DIL): DA1, 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): Ethernet IP, DeviceNet, PROFIBUS, PROFINET, Modbus-TCP, EtherCAT, SmartWire-DT, Fitted with: Radio interference suppression filter, Brake chopper, Additional PCB protection, 7-digital d...

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 DA1 Variable frequency drive Catalog Number 169084 Model Code DA1-12011FB-A20C EAN

4015081655700 Product Length/Depth 186 mm Product Height 231 mm Product Width 107 mm Product Weight 1.8 kg

Certifications EAC

IEC/EN 61800-3

Safety: EN 61800-5-1: 2003

IEC/EN61800-3

UL 508C

CE

CSA-C22.2 No. 14

CUL

RCM

Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

UL

UL report applies to both US and Canada

IEC/EN61800-5

UkrSEPRO

Certified by UL for use in Canada

RoHS, ISO 9001

UL File No.: E172143 Catalog Notes The brake resistors are assigned based on the maximum rated power of the variable frequency drive. Additional brake resistors and designs (e.g. different duty cycles) are available upon request. General

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

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

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

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

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

C1 <= 1 m, Radio interference level, maximum motor cable length Communication interface OP-Bus (RS485), built in EtherCAT, optional

SmartWire-DT, optional

Ethernet IP, optional

PROFINET, optional

Modbus-TCP, optional

Modbus RTU, built in

CANopen®, built in

DeviceNet, optional

PROFIBUS, optional Connection to SmartWire-DT In co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-12011FB-A20C 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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