

INDUSTRIAL COMPONENT DATA

DC1-S2011NB-A20CE1 186085 Y7-186085 EATON ELECTRIC

Variable frequency drives, 1-/single-phase 230 V, 10.5 A,...

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S2011NB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-S2011NB-A20CE1
Catalog number	Y7-186085
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-CFC1C45EC4
Generated	2026-08-03

Product Overview

Variable frequency drives, 1-/single-phase 230 V, 10.5 A, 1.1 kW, braking transistor

DC1-S2011NB-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 10.5 A, 1.1 kW, IP20/NEMA 0, Brake chopper, FS2

DC1-S2011NB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230$ V AC, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230$ V AC, single-phase, 240 V AC, single-phase, Mains voltage (50/60Hz): $U_{LN} = 200$ (-10%) - 240 (+10%) V, Rated operational current At 150% overload: $I_e = 10.5$ A, Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °C, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For AC motors with internal and external ventilation with 50/60 Hz without additional start capacitor, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.1$ kW, 150 % Overload: $I_M = 10.5$ A, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1.5$ HP, Assigned motor rating 150 % Overload: $I_M = 9.6$ 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: Brake chopper, 7-digital display assembly, Frame size: FS2, Standards: Specification for general requirements:...

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
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Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 186085 Model Code DC1-S2011NB-A20CE1 EAN

4015081815869 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 1.2 kg

Certifications IEC/EN61800-3

CUL

IEC/EN61800-5

EAC

Safety requirements: IEC/EN 61800-5-1

Specification for general requirements: IEC/EN 61800-2

UL 508C

CSA-C22.2 No. 14

UL report applies to both US and Canada

CE

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

IEC/EN 61800-3

RoHS, ISO 9001

Certified by UL for use in Canada

RCM

UkrSEPRO

UL Catalog Notes Environmental class: 3C2, 3S2 Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Brake chopper

Breaking resistance

7-digital display assembly

Internal DC link

IGBT inverter

PC connection

Control unit

Additional PCB protection Functions 4-quadrant operation possible General

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

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

OP-Bus (RS485), built in

CANopen®, built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

NEMA 0 Frame size FS2 Mounti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S2011NB-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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