

**INDUSTRIAL COMPONENT DATA**

# DC1-S1011NB-A20CE1 186076 Y7-186076 EATON ELECTRIC

## Variable frequency drives, 1-/single-phase 115 V, 10.5 A,..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S1011NB-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-S1011NB-A20CE1                 |
| Catalog number  | Y7-186076                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-896F49F828                      |
| Generated       | 2026-08-05                         |

## Product Overview

Variable frequency drives, 1-/single-phase 115 V, 10.5 A, 0.55 kW, braking transistor

DC1-S1011NB-A20CE1

Eaton DC1 Variable frequency drive, 115 V AC, single-phase, 10.5 A, 0.55 kW, IP20/NEMA 0, Brake chopper, FS2

DC1-S1011NB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 115$  V AC, single-phase, Output voltage with  $V_e$ :  $U_2 = 115$  V AC, single-phase, Mains voltage (50/60Hz):  $U_{LN} = 110$  (-10%) - 115 (+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 115 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 0.55$  kW, 150 % Overload:  $I_M = 10.5$  A, Assigned motor rating Note: at 110 - 120 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 0.75$  HP, Assigned motor rating 150 % Overload:  $I_M = 9.8$  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: IEC/EN 61800-2, EMC 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**

## Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 186076 Model Code DC1-S1011NB-A20CE1 EAN

4015081815777 Product Length/Depth 152 mm Product Height 231 mm Product Width 107 mm Product Weight 1.2 kg

Certifications RCM

UL 508C

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

CUL

IEC/EN61800-5

UL report applies to both US and Canada

EAC

CE

Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5-1

IEC/EN 61800-3

UL

CSA-C22.2 No. 14

IEC/EN61800-3

UkrSEPRO

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2 Catalog Notes Environmental class: 3C2, 3S2 Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: PC connection

Breaking resistance

IGBT inverter

Internal DC link

Brake chopper

Control unit

7-digital display assembly

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

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

100 m, screened, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

Modbus RTU, built in

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-S1011NB-A20CE1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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