

**INDUSTRIAL COMPONENT DATA**

# DC1-32018NB-A20CE1 185833 Y7-185833 EATON ELECTRIC

## Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32018NB-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-32018NB-A20CE1                 |
| Catalog number  | Y7-185833                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-A49CDD6027                      |
| Generated       | 2026-08-05                         |

### Product Overview

Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, IP20/NEMA 0, Brake chopper, FS3

DC1-32018NB-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, IP20/NEMA 0, Brake chopper, FS3

DC1-32018NB-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 230 \text{ V AC}$ , 3-phase, 240 V AC, 3-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:  $I_e = 18 \text{ A}$ , Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of  $+50 \text{ }^\circ\text{C}$ , 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:  $P = 4 \text{ kW}$ , 150 % Overload:  $I_M = 14.8 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 5 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 15.2 \text{ A}$ , Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Brake chopper, 7-digital display assembly, Frame size: FS3, Standards: Specification for general r...

**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

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### General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185833 Model Code DC1-32018NB-A20CE1 EAN 4015081813322 Product Length/Depth 175 mm Product Height 273 mm Product Width 129 mm Product Weight 6 kg

Certifications RoHS, ISO 9001

CUL

Safety requirements: IEC/EN 61800-5-1

UL report applies to both US and Canada

EAC

RCM

Specification for general requirements: IEC/EN 61800-2

Certified by UL for use in Canada

UL 508C

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

CSA-C22.2 No. 14

IEC/EN61800-3

IEC/EN61800-5

CE

UL

UkrSEPRO

UL File No.: E172143 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Internal DC link

Breaking resistance

Brake chopper

7-digital display assembly

PC connection

IGBT inverter

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 OP-Bus (RS485), built in

CANopen®, built in

SmartWire-DT, optional

Modbus RTU, built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Frame size FS3 Mounting position Vertical Product...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32018NB-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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