

**INDUSTRIAL COMPONENT DATA**

# DC1-32018FB-A66OE1 199421 Y7-199421 EATON ELECTRIC DC1-32018FB-A66OE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32018FB-A66OE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-32018FB-A66OE1                 |
| Catalog number  | Y7-199421                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-2526EB1C0E                      |
| Generated       | 2026-08-04                         |

## Product Overview

DC1-32018FB-A66OE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Additional PCB protection, UV resistant, FS3

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 an operating frequency of 6 kHz and an ambient air temperature of  $+40^\circ \text{C}$ , Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For normal internally and externally ventilated four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm 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: IP66/NEMA 4X, 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, Additional PCB...

**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 199421 Model Code DC1-32018FB-A66OE1 EAN

4015081978106 Product Length/Depth 238 mm Product Height 310 mm Product Width 210.5 mm Product Weight 7 kg

Certifications RCM

Certified by UL for use in Canada

UL

CUL

IEC/EN 61800-2

UL File No.: E172143

IEC/EN 61800-3

UL Category Control No.: NMMS, NMMS7

EAC

CSA-C22.2 No. 14

IEC/EN 61800-5-1

CE

IEC/EN61800-5

UL report applies to both US and Canada

CE marking

RoHS, ISO 9001

UkrSEPRO

UL 508C

UL Listed Catalog Notes Features & Functions

Features Parameterization: Fieldbus

Parameterization: drivesConnect mobile (App)

Parameterization: drivesConnect

Parameterization: Keypad Fitted with: Internal DC link

PC connection

Breaking resistance

Additional PCB protection

UV resistance

7-digital display assembly

Brake chopper

Control unit

Radio interference suppression filter

IGBT inverter Functions 4-quadrant operation possible General

Cable length 100 m, screened, maximum permissible cable length

C3 <= 25 m, maximum motor cable length

200 m, screened, with motor choke, maximum permissible cable length

150 m, unscreened, maximum permissible cable length

C2 <= 5 m, maximum motor cable length

300 m, unscreened, with motor choke, 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 No Degree of protection NEMA 4X

IP66 Electromagnetic compatibility 1st...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32018FB-A66OE1 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

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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