

**INDUSTRIAL COMPONENT DATA**

# DG1-34031FB-C21C 9702-3002-00P Y7-9702-3002-00P EATON ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34031FB-C21C



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-34031FB-C21C                   |
| Catalog number  | Y7-9702-3002-00P                   |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-C628D98FFB                      |
| Generated       | 2026-08-03                         |

## Product Overview

Variable frequency drive, 400 V AC, 3-phase, 31 A, 15 kW, IP21/NEMA1, Brake chopper, DC link choke

DG1-34031FB-C21C

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage:  $U_e = 400 \text{ V AC}$ , 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Output voltage with  $V_e$ :  $U_2 = 400 \text{ V AC}$ , 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 380 (-15\%) - 500 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 31 \text{ A}$ , Note: Rated operational current for a switching frequency of 1 - 12 kHz and an ambient temperature of +50 °C for a 150% overload and +40 °C for a 110% overload, Rated operational current At 110% overload:  $I_e = 38 \text{ A}$ , 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 400 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 15 \text{ kW}$ , 110 % Overload:  $P = 18.5 \text{ kW}$ , 150 % Overload:  $I_M = 29.3 \text{ A}$ , 110 % Overload:  $I_M = 36 \text{ A}$ , Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 18.5 \text{ kW}$ , 110 % Overload:  $P = 22 \text{ kW}$ , 150 % Overload:  $I_M = 28.9 \text{ A}$ , 110 % Overload:  $I_M = 33 \text{ A}$ , Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 20 \text{ HP}$ , 110 % Overload:  $P = 25 \text{ HP}$ , Assigned motor ra...

**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 DG1 variable frequency drive Catalog Number 9702-3002-00P Model Code DG1-34031FB-C21C  
EAN 4015081721443 Product Length/Depth 265.1 mm Product Height 558 mm Product Width 204.6 mm Product Weight

22.6 kg Certifications Specification for general requirements: IEC/EN 61800-2

RoHS, ISO 9001

CE

UkrSEPRO

EAC

IEC/EN61800-5

IEC/EN61800-3

Certified by UL for use in Canada

UL Category Control No.: NMMS, NMMS7

CUL

UL508

IEC/EN 61800-3

CSA-C22.2 No. 274-13

UL File No.: E134360

UL

UL report applies to both US and Canada

C-Tick

Safety requirements: IEC/EN 61800-5 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. Features & Functions

Features Tool-less swapping of fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl Functions 4-quadrant operation possible General

Air volume capacity 144 m<sup>3</sup>/h Cable length C3 ≤ 50 m, Radio interference level, maximum motor cable length 150 m, screened, maximum permissible, Motor feeder

C2 ≤ 10 m, Radio interference level, maximum motor cable length Degree of protection IP21

NEMA 1 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: Radio interference suppression filter

DC link choke

Breaking resistance

IGBT in...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34031FB-C21C 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.