

**INDUSTRIAL COMPONENT DATA**

# DG1-324D8FB-C21C 9701-1004-00P Y7-9701-1004-00P EATON ELECTRIC Variable frequency drive, 230 V AC, 3-phase, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-324D8FB-C21C



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-324D8FB-C21C                   |
| Catalog number  | Y7-9701-1004-00P                   |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-52FEE10CD4                      |
| Generated       | 2026-08-05                         |

## Product Overview

Variable frequency drive, 230 V AC, 3-phase, 4.8 A, 1.1 kW, IP21/NEMA1, Brake chopper, DC link choke  
 DG1-324D8FB-C21C

Variable frequency drive, Part group reference (e.g. DIL): DG1, 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):  $U_{LN} = 208 (-15\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 4.8 \text{ A}$ , 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:  $I_e = 6.6 \text{ A}$ , 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 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 1.1 \text{ kW}$ , 110 % Overload:  $P = 1.5 \text{ kW}$ , 150 % Overload:  $I_M = 4.6 \text{ A}$ , 110 % Overload:  $I_M = 6.3 \text{ A}$ , Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 1 \text{ HP}$ , 110 % Overload:  $P = 1.5 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 4.2 \text{ A}$ , 110 % Overload:  $I_M = 6 \text{ A}$ , Degree of Protection: IP21/NEMA1, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Ethernet IP, Fieldbus connection (optional): PROFI...

**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 9701-1004-00P Model Code DG1-324D8FB-C21C

EAN 4015081734016 Product Length/Depth 200.9 mm Product Height 327 mm Product Width 153 mm Product Weight 6.1 kg Certifications Safety requirements: IEC/EN 61800-5

IEC/EN 61800-3

UL report applies to both US and Canada

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

IEC/EN61800-5

UL

EAC

CE

C-Tick

UL File No.: E134360

RoHS, ISO 9001

CSA-C22.2 No. 274-13

Certified by UL for use in Canada

UkrSEPRO

UL508

CUL

UL Category Control No.: NMMS, NMMS7 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 24 m³/h Cable length 100 m, screened, maximum permissible, Motor feeder

C2 ≤ 10 m, Radio interference level, maximum motor cable length

C3 ≤ 50 m, Radio interference level, maximum motor cable length Degree of protection NEMA 1

IP21 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: Radio interference suppression filter

Additional PCB protection

PC connection

Multi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-324D8FB-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

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