

INDUSTRIAL COMPONENT DATA

DG1-32031FB-C21C 9701-3002-00P Y7-9701-3002-00P EATON ELECTRIC DG1-32031FB-C21C Variable frequency drive, 3-..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32031FB-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-32031FB-C21C
Catalog number	Y7-9701-3002-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-38F2BC6700
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Product Overview

DG1-32031FB-C21C Variable frequency drive, 3-phase 240 V, 31A, EMC filter, Internal braking transistor, degree of protection IP21

DG1-32031FB-C21C

Eaton DG1 Variable frequency drive, 230 V AC, 3-phase, 31 A, 7.5 kW, IP21/NEMA1, Brake chopper, DC link choke
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: $I_e = 31 \text{ A}$, 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: $I_e = 48 \text{ A}$, 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: $P = 7.5 \text{ kW}$, 110 % Overload: $P = 11 \text{ kW}$, 150 % Overload: $I_M = 26.4 \text{ A}$, 110 % Overload: $I_M = 38 \text{ A}$, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10 \text{ HP}$, 110 % Overload: $P = 15 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 28 \text{ A}$, 110 % Overload: $I_M = 42 \text{ A}$, Degree of Protectio...

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 9701-3002-00P Model Code DG1-32031FB-C21C

EAN 4015081734085 Product Length/Depth 265.1 mm Product Height 558 mm Product Width 204.6 mm Product Weight 22 kg Certifications C-Tick

CUL

EAC

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

UL508

CE

Certified by UL for use in Canada

UL

UL report applies to both US and Canada

CSA-C22.2 No. 274-13

UL File No.: E134360

IEC/EN61800-3

Safety requirements: IEC/EN 61800-5

Specification for general requirements: IEC/EN 61800-2

IEC/EN 61800-3

IEC/EN61800-5

RoHS, ISO 9001 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 Temperature-controlled fan

Tool-less swapping of fan

Parameterization: Fieldbus

Parameterization: Keypad

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

Air volume capacity 144 m³/h Cable length C3 ≤ 50 m, Radio interference level, maximum motor cable length

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

150 m, screened, maximum permissible, Motor feeder 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: Additional PCB protection

Breaking resistance

Multi-line graphic display

Radio in...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32031FB-C21C with the required quantity to info@electricaonline.com or use 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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