

INDUSTRIAL COMPONENT DATA

**DG1-32012FB-C21C 9701-2002-00P Y7-9701-2002-00P EATON
ELECTRIC DG1-32012FB-C21C Variable frequency drive, 3-..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32012FB-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-32012FB-C21C
Catalog number	Y7-9701-2002-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2972531D74
Generated	2026-08-04

Product Overview

DG1-32012FB-C21C Variable frequency drive, 3-phase 240 V, 13A, EMC filter, Internal braking transistor, degree of protection IP21

DG1-32012FB-C21C

Eaton DG1 Variable frequency drive, 230 V AC, 3-phase, 12.5 A, 3 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: $I_e = 12.5 \text{ A}$, 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: $I_e = 17.5 \text{ A}$, 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: $P = 3 \text{ kW}$, 110 % Overload: $P = 4 \text{ kW}$, 150 % Overload: $I_M = 11.5 \text{ A}$, 110 % Overload: $I_M = 14.8 \text{ A}$, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, 110 % Overload: $P = 5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 9.6 \text{ A}$, 110 % Overload: $I_M = 15.2 \text{ A}$, Degree of Prote...

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 9701-2002-00P Model Code DG1-32012FB-C21C

EAN 4015081734054 Product Length/Depth 244.7 mm Product Height 419 mm Product Width 167.8 mm Product Weight 10.2 kg Certifications CUL

EAC

IEC/EN61800-3

Certified by UL for use in Canada

CSA-C22.2 No. 274-13

UL

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

C-Tick

IEC/EN61800-5

UL508

Safety requirements: IEC/EN 61800-5

UL File No.: E134360

RoHS, ISO 9001

CE

Specification for general requirements: IEC/EN 61800-2

UkrSEPRO

UL report applies to both US and Canada 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. Product specifications

Product Category Variable frequency drives Features Tool-less swapping of fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl 10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provide...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32012FB-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 PI #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.