

INDUSTRIAL COMPONENT DATA

**DG1-34087FB-C21C 9702-4010-00P Y7-9702-4010-00P EATON
ELECTRIC DG1-34087FB-C21C Variable frequency drive, 3-..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34087FB-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34087FB-C21C
Catalog number	Y7-9702-4010-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-82257BD10C
Generated	2026-08-04

Product Overview

DG1-34087FB-C21C Variable frequency drive, 3-phase 480 V, 87A, EMC filter, Internal braking transistor, degree of protection IP21

DG1-34087FB-C21C

Eaton DG1 Variable frequency drive, 400 V AC, 3-phase, 87 A, 45 kW, IP21/NEMA1, Brake chopper, DC link choke
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: $I_e = 87 \text{ A}$, Note: Rated operational current for a switching frequency of 1 - 10 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: $I_e = 105 \text{ A}$, 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: $P = 45 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 82.1 \text{ A}$, 110 % Overload: $I_M = 99 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 79 \text{ A}$, 110 % Overload: $I_M = 79 \text{ A}$, Assi...

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 9702-4010-00P Model Code DG1-34087FB-C21C

EAN 4015081710966 Product Length/Depth 294 mm Product Height 630 mm Product Width 237.7 mm Product Weight 35.8 kg Certifications Safety requirements: IEC/EN 61800-5

UL508

Specification for general requirements: IEC/EN 61800-2

UL

EAC

IEC/EN61800-3

CUL

RoHS, ISO 9001

UL Category Control No.: NMMS, NMMS7

CSA-C22.2 No. 274-13

UkrSEPRO

UL File No.: E134360

IEC/EN61800-5

CE

UL report applies to both US and Canada

Certified by UL for use in Canada

C-Tick

IEC/EN 61800-3 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 Externally accessible fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

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

Air volume capacity 260 m³/h Cable length C2 ≤ 10 m, Radio interference level, maximum motor cable length

C3 ≤ 50 m, Radio interference level, maximum motor cable length

200 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: Multi-line graphic display

Radio interference suppression filter

Brake chopper

PC...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34087FB-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

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.