

INDUSTRIAL COMPONENT DATA

**DG1-34072FN-C21C 9702-4008-00P Y7-9702-4008-00P EATON
ELECTRIC DG1-34072FN-C21C Variable frequency drive, 3-..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34072FN-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34072FN-C21C
Catalog number	Y7-9702-4008-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-939C4768A7
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Product Overview

DG1-34072FN-C21C Variable frequency drive, 3-phase 480 V, 72A, EMC filter, degree of protection IP21

DG1-34072FN-C21C

Eaton DG1 Variable frequency drive, 400 V AC, 3-phase, 72 A, 37 kW, IP21/NEMA1, 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: $I_e = 72 \text{ A}$, 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: $I_e = 87 \text{ A}$, 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: $P = 37 \text{ kW}$, 110 % Overload: $P = 45 \text{ kW}$, 150 % Overload: $I_M = 68 \text{ A}$, 110 % Overload: $I_M = 82.1 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 45 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 65 \text{ A}$, 110 % Overload: $I_M = 79 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, 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 9702-4008-00P Model Code DG1-34072FN-C21C

EAN 4015081721481 Product Length/Depth 294 mm Product Height 630 mm Product Width 237.7 mm Product Weight 35.2 kg Certifications Safety requirements: IEC/EN 61800-5

C-Tick

IEC/EN61800-5

EAC

Specification for general requirements: IEC/EN 61800-2

IEC/EN61800-3

CE

CSA-C22.2 No. 274-13

CUL

UkrSEPRO

UL

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

UL File No.: E134360

RoHS, ISO 9001

UL508

Certified by UL for use in Canada

UL report applies to both US and Canada Features & Functions

Features Temperature-controlled fan

Externally accessible fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl General

Air volume capacity 260 m³/h Cable length C3 ≤ 50 m, Radio interference level, maximum motor cable length

C2 ≤ 10 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: PC connection

DC link choke

Internal DC link

IGBT inverter

Radio interference suppression filter

Multi-line graphic display

Control unit

Additional PCB protection Frame size FS4 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category

III Pollution degree 2 Product Category Variable frequency drives Protecti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34072FN-C21C with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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