

INDUSTRIAL COMPONENT DATA

DG1-32170FN-C54C 9701-5111-00P Y7-9701-5111-00P EATON ELECTRIC DG1-32170FN-C54C Variable frequency drive, 3-..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32170FN-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-32170FN-C54C
Catalog number	Y7-9701-5111-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-EBA31055CD
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Product Overview

DG1-32170FN-C54C Variable frequency drive, 3-phase 240 V, 170A, EMC filter, protection type IP54

DG1-32170FN-C54C

Variable frequency drive, 230 V AC, 3-phase, 170 A, 45 kW, IP54/NEMA12, 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: $I_e = 170 \text{ A}$, 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: $I_e = 211 \text{ A}$, 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: $P = 45 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 141 \text{ A}$, 110 % Overload: $I_M = 173 \text{ A}$, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 60 \text{ HP}$, 110 % Overload: $P = 75 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 154 \text{ A}$, 110 % Overload: $I_M = 192 \text{ A}$, Degree of Protection: IP54/NEMA12, Interface/field bus (built-in): Modbus...

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 9701-5111-00P Model Code DG1-32170FN-C54C

EAN 4015081734276 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight 68.3 kg Certifications Specification for general requirements: IEC/EN 61800-2

UL report applies to both US and Canada

C-Tick

CUL

UkrSEPRO

UL

IEC/EN 61800-3

RoHS, ISO 9001

IEC/EN61800-3

UL File No.: E134360

UL508

IEC/EN61800-5

Safety requirements: IEC/EN 61800-5

CE

Certified by UL for use in Canada

CSA-C22.2 No. 274-13

EAC

UL Category Control No.: NMMS, NMMS7 Features & Functions

Features Externally accessible fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl General

Air volume capacity 395 m³/h Cable length 200 m, screened, maximum permissible, Motor feeder

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

C2 ≤ 10 m, Radio interference level, maximum motor cable length Degree of protection NEMA 12

IP54 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: DC link choke

PC connection

Control unit

Radio interference suppression filter

Internal DC link

IGBT inverter

Additional PCB protection

Multi-line graphic display Frame size FS5 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category III

Pollution degree 2 Product Category Variable frequency drives Prote...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32170FN-C54C 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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