

INDUSTRIAL COMPONENT DATA

**DG1-34170FN-C54C 9702-5111-00P Y7-9702-5111-00P EATON
ELECTRIC DG1-34170FN-C54C Variable frequency drive, 3-..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34170FN-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34170FN-C54C
Catalog number	Y7-9702-5111-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2AB1D153A0
Generated	2026-08-05

Product Overview

DG1-34170FN-C54C Variable frequency drive, 3-phase 400 V, 170A, EMC filter, protection type IP54

DG1-34170FN-C54C

Variable frequency drive, 400 V AC, 3-phase, 170 A, 90 kW, IP54/NEMA12, 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: $I_e = 170 \text{ A}$, 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: $I_e = 205 \text{ A}$, 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: $P = 90 \text{ kW}$, 110 % Overload: $P = 110 \text{ kW}$, 150 % Overload: $I_M = 161 \text{ A}$, 110 % Overload: $I_M = 196 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 110 \text{ kW}$, 110 % Overload: $P = 132 \text{ kW}$, 150 % Overload: $I_M = 157 \text{ A}$, 110 % Overload: $I_M = 184 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned....

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 9702-5111-00P Model Code DG1-34170FN-C54C

EAN 4015081711017 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight 70.6 kg Certifications IEC/EN 61800-3
Certified by UL for use in Canada
Specification for general requirements: IEC/EN 61800-2
EAC
C-Tick
IEC/EN61800-5
UL508
UL
UL report applies to both US and Canada
UL Category Control No.: NMMS, NMMS7
CSA-C22.2 No. 274-13
CUL
CE
Safety requirements: IEC/EN 61800-5
UkrSEPRO
UL File No.: E134360
IEC/EN61800-3
RoHS, ISO 9001 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 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 12
IP54 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: Internal DC link
Multi-line graphic display
IGBT inverter
DC link choke
PC connection
Radio interference suppression filter
Additional PCB protection
Control unit 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 / DG1-34170FN-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

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.