

INDUSTRIAL COMPONENT DATA

**DG1-34245FN-C54C 9702-6107-00P Y7-9702-6107-00P EATON
ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34245FN-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34245FN-C54C
Catalog number	Y7-9702-6107-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-E168E54425
Generated	2026-08-06

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 245 A, 132 kW, IP54/NEMA12, DC link choke

DG1-34245FN-C54C

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: $I_e = 245 \text{ A}$, 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: $I_e = 310 \text{ A}$, 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: $P = 132 \text{ kW}$, 110 % Overload: $P = 160 \text{ kW}$, 150 % Overload: $IM = 234 \text{ A}$, 110 % Overload: $IM = 283 \text{ A}$, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 160 \text{ kW}$, 110 % Overload: $P = 200 \text{ kW}$, 150 % Overload: $IM = 224 \text{ A}$, 110 % Overload: $IM = 279 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 200 \text{ HP}$, 110 % Overload: $P = 250 \text{ HP}$, Assigned motor rating 150...

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 9702-6107-00P Model Code DG1-34245FN-C54C

EAN 4015081798292 Product Length/Depth 371 mm Product Height 1035 mm Product Width 486 mm Product Weight 113.5 kg Certifications CUL

IEC/EN 61800-3

IEC/EN61800-3

IEC/EN61800-5

UkrSEPRO

RoHS, ISO 9001

UL File No.: E134360

CSA-C22.2 No. 274-13

Safety requirements: IEC/EN 61800-5

UL508

UL report applies to both US and Canada

Certified by UL for use in Canada

UL Category Control No.: NMMS, NMMS7

C-Tick

CE

EAC

UL

Specification for general requirements: IEC/EN 61800-2 Features & Functions

Features Externally accessible fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl General

Air volume capacity 679 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 IP54

NEMA 12 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: Radio interference suppression filter

PC connection

Internal DC link

Additional PCB protection

Control unit

DC link choke

Multi-line graphic display

IGBT inverter Frame size FS6 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category III Pollution degree 2 Product Category Variable frequency drives Protect...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34245FN-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.