

INDUSTRIAL COMPONENT DATA

DG1-34046FB-C54C 9702-3105-00P Y7-9702-3105-00P EATON ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34046FB-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34046FB-C54C
Catalog number	Y7-9702-3105-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-68F382701E
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW, IP54/NEMA12, Brake chopper, DC link choke
 DG1-34046FB-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: $I_e = 46 \text{ A}$, Note: Rated operational current for a switching frequency of 1 - 12 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: $I_e = 61 \text{ A}$, 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: $P = 22 \text{ kW}$, 110 % Overload: $P = 30 \text{ kW}$, 150 % Overload: $I_M = 41 \text{ A}$, 110 % Overload: $I_M = 55.2 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 30 \text{ kW}$, 110 % Overload: $P = 37 \text{ kW}$, 150 % Overload: $I_M = 44 \text{ A}$, 110 % Overload: $I_M = 54 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 30 \text{ HP}$, 110 % Overload: $P = 40 \text{ HP}$, Assigned motor rating....

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 9702-3105-00P Model Code DG1-34046FB-C54C
 EAN 4015081710898 Product Length/Depth 265.1 mm Product Height 558 mm Product Width 204.6 mm Product Weight

22.6 kg Certifications UL508

UL

CE

RoHS, ISO 9001

EAC

IEC/EN61800-3

UL File No.: E134360

UL report applies to both US and Canada

IEC/EN61800-5

IEC/EN 61800-3

CUL

Specification for general requirements: IEC/EN 61800-2

CSA-C22.2 No. 274-13

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5

C-Tick 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 Temperature-controlled fan

Tool-less swapping of fan

Parameterization: Fieldbus

Parameterization: Keypad

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

Air volume capacity 144 m³/h Cable length C2 ≤ 10 m, Radio interference level, maximum motor cable length

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

150 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: Control unit

Multi-line graphic display

Internal DC link

Additional PCB protec...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34046FB-C54C with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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