

INDUSTRIAL COMPONENT DATA

**DG1-34038FB-C54C 9702-3103-00P Y7-9702-3103-00P EATON
ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34038FB-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34038FB-C54C
Catalog number	Y7-9702-3103-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2F03FE70C7
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 38 A, 18.5 kW, IP54/NEMA12, Brake chopper, DC link choke
DG1-34038FB-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: $I_e = 38 \text{ A}$, 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: $I_e = 46 \text{ A}$, 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: $P = 18.5 \text{ kW}$, 110 % Overload: $P = 22 \text{ kW}$, 150 % Overload: $I_M = 36 \text{ A}$, 110 % Overload: $I_M = 41 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 22 \text{ kW}$, 110 % Overload: $P = 30 \text{ kW}$, 150 % Overload: $I_M = 33 \text{ A}$, 110 % Overload: $I_M = 44 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 25 \text{ HP}$, 110 % Overload: $P = 30 \text{ HP}$, 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
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Additional Product Information

General specifications

Product Name Eaton DG1 variable frequency drive Catalog Number 9702-3103-00P Model Code DG1-34038FB-C54C
EAN 4015081710881 Product Length/Depth 265.1 mm Product Height 558 mm Product Width 204.6 mm Product Weight

22.6 kg Certifications C-Tick

EAC

IEC/EN61800-5

RoHS, ISO 9001

UL

UL508

CSA-C22.2 No. 274-13

UL Category Control No.: NMMS, NMMS7

UL File No.: E134360

IEC/EN 61800-3

IEC/EN61800-3

CUL

UL report applies to both US and Canada

CE

Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5

Specification for general requirements: IEC/EN 61800-2

UkrSEPRO 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. Product specifications

Product Category Variable frequency drives Features Tool-less swapping of fan

Temperature-controlled fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl 10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provide...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34038FB-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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