

INDUSTRIAL COMPONENT DATA

DG1-35080FB-C54C 9703-5102-00P EATON ELECTRIC

Variable frequency drive, 500 V AC, 3-phase, 80 A, 55 kW, IP54..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35080FB-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35080FB-C54C
Catalog number	9703510200P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-4A0112D0C6
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 80 A, 55 kW, IP54/NEMA12, Brake chopper, DC link choke
DG1-35080FB-C54C

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 600$ V AC, 3-phase, Output voltage with V_e : $U_2 = 600$ V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500$ (-10%) - 600 (+10%) V, Rated operational current At 150% overload: $I_e = 80$ A, Note: Rated operational current for a switching frequency of 1 - 6 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: $I_e = 100$ 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 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55$ kW, 110 % Overload: $P = 55$ kW, 150 % Overload: $I_M = 79$ A, 110 % Overload: $I_M = 79$ A, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55$ kW, 110 % Overload: $P = 75$ kW, 150 % Overload: $I_M = 68.9$ A, 110 % Overload: $I_M = 93.2$ A, Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 75$ HP, 110 % Overload: $P = 100$ HP, Assigned motor rating 150 % Overload: $I_M = 77$ A, 110 % Overload: $I_M = 99$ A , Degree of Protectio...

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 9703-5102-00P Model Code DG1-35080FB-C54C
EAN 4015081772438 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight
76.2 kg Certifications EAC

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

UL File No.: E134360

CSA-C22.2 No. 274-13

Specification for general requirements: IEC/EN 61800-2

CE

Certified by UL for use in Canada

IEC/EN 61800-3

IEC/EN61800-3

UL report applies to both US and Canada

IEC/EN61800-5

RoHS, ISO 9001

UL508

UL

C-Tick

Safety requirements: IEC/EN 61800-5

CUL 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 Externally accessible fan

Parameterization: Fieldbus

Parameterization: Keypad

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

Air volume capacity 395 m³/h Cable length C3 ≤ 10 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: DC link choke

Control unit

IGBT inverter

PC connection

Breaking resistance

Additional PCB protection

Brake chopper

Internal DC link

Radio interference suppression filter...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35080FB-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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