

INDUSTRIAL COMPONENT DATA

DG1-35080FN-C54C 9703-5104-00P EATON ELECTRIC

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

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



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35080FN-C54C
Catalog number	9703510400P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-C1F6137FC8
Generated	2026-08-05

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 80 A, 55 kW, IP54/NEMA12, DC link choke
DG1-35080FN-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: $IM = 79$ A, 110 % Overload: $IM = 79$ 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: $IM = 68.9$ A, 110 % Overload: $IM = 93.2$ 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: $IM = 77$ A, 110 % Overload: $IM = 99$ A , Degree of Protection: IP54/NEMA12,...

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

Variable frequency drive, 500 V AC, 3-phase, 80 A, 55 kW, IP54/NEMA12, DC link chokeVariable frequency drive, Part

group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 600 \text{ V AC}$, 3-phase, Output voltage with V_e : $U_2 = 600 \text{ V AC}$, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500 (-10\%) - 600 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 80 \text{ A}$, Note: Rated operational current for a switching frequency of 1 - 6 kHz and an ambient temperature of $+50^\circ \text{C}$ for a 150% overload and $+40^\circ \text{C}$ for a 110% overload, Rated operational current At 110% overload: $I_e = 100 \text{ A}$, 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 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 79 \text{ A}$, 110 % Overload: $I_M = 79 \text{ A}$, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55 \text{ kW}$, 110 % Overload: $P = 75 \text{ kW}$, 150 % Overload: $I_M = 68.9 \text{ A}$, 110 % Overload: $I_M = 93.2 \text{ A}$, Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 75 \text{ HP}$, 110 % Overload: $P = 100 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 77 \text{ A}$, 110 % Overload: $I_M = 99 \text{ A}$, Degree of Protection: IP54/NEMA12, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Ethernet IP, Fieldbus connection (optional): PROF...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35080FN-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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