

INDUSTRIAL COMPONENT DATA

DG1-34310FN-C00C 3-4917-101A EATON ELECTRIC Variable frequency drive, 400 V AC, 3-phase, 310 A, 160 kW, IP00..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34310FN-C00C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34310FN-C00C
Catalog number	3-4917-101A
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-49ABF0C154
Generated	2026-08-06

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 310 A, 160 kW, IP00, DC link choke

Frequency converter; Ent: 3 x 400 V; Salt: 3 x 400 V; 310; 160 kW; IP00; DC link choke

Frequency inverter, 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: $I_e = 310 \text{ A}$, Note: Rated operational current for a switching frequency of 1.5 - 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: $I_e = 385 \text{ A}$, 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: $P = 160 \text{ kW}$, 110 % Overload: $P = 200 \text{ kW}$, 150 % Overload: $IM = 283 \text{ A}$, 110 % Overload: $IM = 353 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 200 \text{ kW}$, 110 % Overload: $P = 250 \text{ kW}$, 150 % Overload: $IM = 279 \text{ A}$, 110 % Overload: $IM = 349 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 250 \dots$

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

Variable frequency drive, 400 V AC, 3-phase, 310 A, 160 kW, IP00, DC link chokeFrequency inverter, 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%) V, Rated operational current At 150% overload: $I_e = 310$ A, Note: Rated operational current for a switching frequency of 1.5 - 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: $I_e = 385$ 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: $P = 160$ kW, 110 % Overload: $P = 200$ kW, 150 % Overload: $I_M = 283$ A, 110 % Overload: $I_M = 353$ A, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 200$ kW, 110 % Overload: $P = 250$ kW, 150 % Overload: $I_M = 279$ A, 110 % Overload: $I_M = 349$ A, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 250$ HP, 110 % Overload: $P = 300$ HP, Assigned motor rating 150 % Overload: $I_M = 302$ A, 110 % Overload: $I_M = 361$ A, Degree of Protection: IP00, Interface/field bus (built-in): Modbus RTU, Modbus....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34310FN-C00C 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.