

INDUSTRIAL COMPONENT DATA

DG1-32012FB-C54C 9701-2101-00P Y7-9701-2101-00P EATON ELECTRIC DG1-32012FB-C54C Variable frequency drive, 3-..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32012FB-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-32012FB-C54C
Catalog number	Y7-9701-2101-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-8EC4AA385A
Generated	2026-08-02

Product Overview

DG1-32012FB-C54C Variable frequency drive, 3-phase 240 V, 13A, EMC filter, Internal braking transistor, protection type IP54

DG1-32012FB-C54C

Variable frequency drive, 230 V AC, 3-phase, 12.5 A, 3 kW, IP54/NEMA12, Brake chopper, DC link choke

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 208 (-15\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 12.5 \text{ A}$, 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: $I_e = 17.5 \text{ A}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ kW}$, 110 % Overload: $P = 4 \text{ kW}$, 150 % Overload: $I_M = 11.5 \text{ A}$, 110 % Overload: $I_M = 14.8 \text{ A}$, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, 110 % Overload: $P = 5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 9.6 \text{ A}$, 110 % Overload: $I_M = 15.2 \text{ A}$, Degree of Protection: IP54/NE...

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, 230 V AC, 3-phase, 12.5 A, 3 kW, IP54/NEMA12, Brake chopper, DC link chokeVariable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 3-phase, 240 V AC,

3-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC , 3-phase, Mains voltage (50/60Hz): $ULN = 208 (-15\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 12.5 \text{ A}$, Note: Rated operational current for a switching frequency of 1 - 12 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: $I_e = 17.5 \text{ A}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ kW}$, 110 % Overload: $P = 4 \text{ kW}$, 150 % Overload: $IM = 11.5 \text{ A}$, 110 % Overload: $IM = 14.8 \text{ A}$, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, 110 % Overload: $P = 5 \text{ HP}$, Assigned motor rating 150 % Overload: $IM = 9.6 \text{ A}$, 110 % Overload: $IM = 15.2 \text{ A}$, Degree of Protection: IP54/NEMA12, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Ethernet IP, Fieldbus connection (optional): PROFIBUS, CANopen®, DeviceNet, SmartWire-DT, Fitted with: Radio interference suppression filter, Additional PCB protectio...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32012FB-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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