

## INDUSTRIAL COMPONENT DATA

# DG1-35062FN-C54C 9703-4112-00P EATON ELECTRIC

## Variable frequency drive, 500 V AC, 3-phase, 62 A, 37 kW, IP54..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35062FN-C54C



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-35062FN-C54C                   |
| Catalog number  | 9703411200P                        |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-EA5F4500DC                      |
| Generated       | 2026-08-06                         |

### Product Overview

Variable frequency drive, 500 V AC, 3-phase, 62 A, 37 kW, IP54/NEMA12, DC link choke

DG1-35062FN-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:  $I_e = 62$  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:  $I_e = 80$  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:  $P = 37$  kW, 110 % Overload:  $P = 55$  kW, 150 % Overload:  $IM = 54$  A, 110 % Overload:  $IM = 79$  A, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 45$  kW, 110 % Overload:  $P = 55$  kW, 150 % Overload:  $IM = 57.1$  A, 110 % Overload:  $IM = 68.9$  A, Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 60$  HP, 110 % Overload:  $P = 75$  HP, Assigned motor rating 150 % Overload:  $IM = 52$  A, 110 % Overload:  $IM = 77$  A , Degree of Protection: IP54/NEMA12, I...

## 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, 500 V AC, 3-phase, 62 A, 37 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:  $I_e = 62 \text{ A}$ , 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:  $I_e = 80 \text{ A}$ , 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:  $P = 37 \text{ kW}$ , 110 % Overload:  $P = 55 \text{ kW}$ , 150 % Overload:  $I_M = 54 \text{ A}$ , 110 % Overload:  $I_M = 79 \text{ A}$ , Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 45 \text{ kW}$ , 110 % Overload:  $P = 55 \text{ kW}$ , 150 % Overload:  $I_M = 57.1 \text{ A}$ , 110 % Overload:  $I_M = 68.9 \text{ A}$ , Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 60 \text{ HP}$ , 110 % Overload:  $P = 75 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 52 \text{ A}$ , 110 % Overload:  $I_M = 77 \text{ A}$  , 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 / DG1-35062FN-C54C with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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