

## INDUSTRIAL COMPONENT DATA

**DG1-34105FB-C21C 9702-5002-00P Y7-9702-5002-00P EATON  
ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34105FB-C21C



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-34105FB-C21C                   |
| Catalog number  | Y7-9702-5002-00P                   |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-9DF25BEBB0                      |
| Generated       | 2026-08-05                         |

**Product Overview**

Variable frequency drive, 400 V AC, 3-phase, 105 A, 55 kW, IP21/NEMA1, Brake chopper, DC link choke  
DG1-34105FB-C21C

Variable frequency drive, 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:  $I_e = 105 \text{ A}$ , Note: Rated operational current for a switching frequency of 1 - 10 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:  $I_e = 140 \text{ A}$ , 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:  $P = 55 \text{ kW}$ , 110 % Overload:  $P = 75 \text{ kW}$ , 150 % Overload:  $I_M = 99 \text{ A}$ , 110 % Overload:  $I_M = 134 \text{ A}$ , Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 55 \text{ kW}$ , 110 % Overload:  $P = 90 \text{ kW}$ , 150 % Overload:  $I_M = 79 \text{ A}$ , 110 % Overload:  $I_M = 129 \text{ A}$ , Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 75 \text{ HP}$ , 110 % Overload:  $P = 100 \text{ HP}$ , Assigned motor rating...

## 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, 105 A, 55 kW, IP21/NEMA1, Brake chopper, DC link chokeVariable frequency drive, 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): ULN = 380 (-15%) - 500 (+10%) V, Rated operational current At 150% overload:  $I_e = 105$  A, Note: Rated operational current for a switching frequency of 1 - 10 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:  $I_e = 140$  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:  $P = 55$  kW, 110 % Overload:  $P = 75$  kW, 150 % Overload:  $I_M = 99$  A, 110 % Overload:  $I_M = 134$  A, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 55$  kW, 110 % Overload:  $P = 90$  kW, 150 % Overload:  $I_M = 79$  A, 110 % Overload:  $I_M = 129$  A, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 75$  HP, 110 % Overload:  $P = 100$  HP, Assigned motor rating 150 % Overload:  $I_M = 96$  A, 110 % Overload:  $I_M = 124$  A, Degree of Protection: IP21/NEMA1, Interface/field bus (built...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34105FB-C21C 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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