

**INDUSTRIAL COMPONENT DATA**

# DG1-32248FN-C21C 9701-6007-00P Y7-9701-6007-00P EATON ELECTRIC Variable frequency drive, 230 V AC, 3-phase, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32248FN-C21C



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-32248FN-C21C                   |
| Catalog number  | Y7-9701-6007-00P                   |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-51B871E400                      |
| Generated       | 2026-08-06                         |

## Product Overview

Variable frequency drive, 230 V AC, 3-phase, 248 A, 75 kW, IP21/NEMA1, DC link choke

DG1-32248FN-C21C

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:  $I_e = 248 \text{ A}$ , 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:  $I_e = 312 \text{ A}$ , 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:  $P = 75 \text{ kW}$ , 110 % Overload:  $P = 90 \text{ kW}$ , 150 % Overload:  $I_M = 233 \text{ A}$ , 110 % Overload:  $I_M = 279 \text{ A}$ , Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 100 \text{ HP}$ , 110 % Overload:  $P = 125 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 192 \text{ A}$ , 110 % Overload:  $I_M = 248 \text{ A}$ , Degree of Protection: IP21/NEMA1, Interface/field bus (built-in): Modbus RTU, Modbus TCP , BACnet MS/TP, Ethernet IP, Fieldbus connection (optional): PROFIBUS, CANopen®,...

**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, 248 A, 75 kW, IP21/NEMA1, 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,  $240 \text{ V AC}$ , 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 208 (-15\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 248 \text{ A}$ , Note: Rated operational current for a switching frequency of 1 - 10 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:  $I_e = 312 \text{ A}$ , 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:  $P = 75 \text{ kW}$ , 110 % Overload:  $P = 90 \text{ kW}$ , 150 % Overload:  $I_M = 233 \text{ A}$ , 110 % Overload:  $I_M = 279 \text{ A}$ , Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 100 \text{ HP}$ , 110 % Overload:  $P = 125 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 192 \text{ A}$ , 110 % Overload:  $I_M = 248 \text{ A}$ , Degree of Protection: IP21/NEMA1, 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 protection, Multi-line gr...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32248FN-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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