

INDUSTRIAL COMPONENT DATA

**DG1-32170FN-C21C 9701-5001-00P Y7-9701-5001-00P EATON
ELECTRIC DG1-32170FN-C21C Variable frequency drive, 3-..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-32170FN-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-32170FN-C21C
Catalog number	Y7-9701-5001-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-A271846DF8
Generated	2026-08-05

Product Overview

DG1-32170FN-C21C Variable frequency drive, 3-phase 240 V, 170A, EMC filter, degree of protection IP21

DG1-32170FN-C21C

Variable frequency drive, 230 V AC, 3-phase, 170 A, 45 kW, IP21/NEMA1, DC link choke

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 230$ V AC, 3-phase, 240 V AC, 3-phase, Output voltage with V_e : $U_2 = 230$ V AC, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 208$ (-15%) - 240 (+10%) V, Rated operational current At 150% overload: $I_e = 170$ 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: $I_e = 211$ 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: $P = 45$ kW, 110 % Overload: $P = 55$ kW, 150 % Overload: $I_M = 141$ A, 110 % Overload: $I_M = 173$ A, Assigned motor rating Note: at 230 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 60$ HP, 110 % Overload: $P = 75$ HP, Assigned motor rating 150 % Overload: $I_M = 154$ A, 110 % Overload: $I_M = 192$ A, Degree of Protection: IP21/NEMA1, Interface/field bus (built-in): Mod...

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

General specifications

Product Name Eaton DG1 variable frequency drive Catalog Number 9701-5001-00P Model Code DG1-32170FN-C21C

EAN 4015081734139 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight 68.3 kg Certifications CUL
Safety requirements: IEC/EN 61800-5
UL File No.: E134360
UL report applies to both US and Canada
IEC/EN61800-3
EAC
CE
C-Tick
Certified by UL for use in Canada
IEC/EN61800-5
UL
UkrSEPRO
UL Category Control No.: NMMS, NMMS7
IEC/EN 61800-3
RoHS, ISO 9001
CSA-C22.2 No. 274-13
Specification for general requirements: IEC/EN 61800-2
UL508 Features & Functions
Features Externally accessible fan
Temperature-controlled fan
Parameterization: Fieldbus
Parameterization: Keypad
Parameterization: Power Xpert inControl General
Air volume capacity 395 m³/h Cable length C3 ≤ 50 m, Radio interference level, maximum motor cable length 200 m, screened, maximum permissible, Motor feeder
C2 ≤ 10 m, Radio interference level, maximum motor cable length Degree of protection NEMA 1
IP21 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2 (Air quality) Fitted with: IGBT inverter
DC link choke
Radio interference suppression filter
Internal DC link
Control unit
Additional PCB protection
PC connection
Multi-line graphic display Frame size FS5 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category III
Pollution degree 2 Product Category Variable frequency drives Protec...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-32170FN-C21C 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.