

INDUSTRIAL COMPONENT DATA

DG1-35144FN-C21C 9703-6004-00P EATON ELECTRIC

Variable frequency drives 3-phase 575 V 144 EMC filters degree..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35144FN-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35144FN-C21C
Catalog number	9703600400P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-4B719DE214
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Product Overview

Variable frequency drives; 3-phase 575 V; 144; EMC filters; degree of protection IP21

DG1-35144FN-C21C

Variable frequency drive, 500 V AC, 3-phase, 144 A, 90 kW, IP21/NEMA1, DC link choke

Variable 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: $I_e = 144 \text{ A}$, 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: $I_e = 208 \text{ A}$, 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: $P = 90 \text{ kW}$, 110 % Overload: $P = 132 \text{ kW}$, 150 % Overload: $IM = 129 \text{ A}$, 110 % Overload: $IM = 184 \text{ A}$, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 110 \text{ kW}$, 110 % Overload: $P = 160 \text{ kW}$, 150 % Overload: $IM = 137 \text{ A}$, 110 % Overload: $IM = 197 \text{ A}$, Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 150 \text{ HP}$, 110 % Overload: $P = 200 \text{ HP}$, 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

General specifications

Product Name Eaton DG1 variable frequency drive Catalog Number 9703-6004-00P Model Code DG1-35144FN-C21C
EAN 4015081805921 Product Length/Depth 371 mm Product Height 1035 mm Product Width 486 mm Product Weight
116.6 kg Certifications UkrSEPRO

IEC/EN61800-3

CUL

UL Category Control No.: NMMS, NMMS7

UL File No.: E134360

UL508

UL

Certified by UL for use in Canada

CSA-C22.2 No. 274-13

UL report applies to both US and Canada

CE

Specification for general requirements: IEC/EN 61800-2

C-Tick

EAC

IEC/EN 61800-3

RoHS, ISO 9001

Safety requirements: IEC/EN 61800-5

IEC/EN61800-5 Features & Functions

Features Externally accessible fan

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: Power Xpert inControl General

Air volume capacity 679 m³/h Cable length 200 m, screened, maximum permissible, Motor feeder

C3 <= 10 m, Radio interference level, maximum motor cable length Degree of protection IP21

NEMA 1 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2, 3S2
(Air quality) Fitted with: Additional PCB protection

IGBT inverter

PC connection

Control unit

Internal DC link

Radio interference suppression filter

DC link choke

Multi-line graphic display Frame size FS6 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category III
Pollution degree 2 Product Category Variable frequency drives Protection Finger and back-of-hand proof, Protection against
direct contact (BGV A3, VBG4) Radio in...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35144FN-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

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