

INDUSTRIAL COMPONENT DATA

**DG1-34087FN-C21C 9702-4001-00P Y7-9702-4001-00P EATON
ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34087FN-C21C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34087FN-C21C
Catalog number	Y7-9702-4001-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-5EA6922652
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 87 A, 45 kW, IP21/NEMA1, DC link choke

DG1-34087FN-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: $I_e = 87 \text{ A}$, 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: $I_e = 105 \text{ A}$, 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: $P = 45 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 82.1 \text{ A}$, 110 % Overload: $I_M = 99 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55 \text{ kW}$, 110 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 79 \text{ A}$, 110 % Overload: $I_M = 79 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 60 \text{ HP}$, 110 % Overload: $P = 75 \text{ HP}$, Assigned motor rating 150 % Overload:...

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
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Additional Product Information

General specifications

Product Name Eaton DG1 variable frequency drive Catalog Number 9702-4001-00P Model Code DG1-34087FN-C21C

EAN 4015081721467 Product Length/Depth 294 mm Product Height 630 mm Product Width 237.7 mm Product Weight 35.2 kg Certifications EAC
CE
UL Category Control No.: NMMS, NMMS7
IEC/EN61800-5
C-Tick
IEC/EN 61800-3
IEC/EN61800-3
CUL
RoHS, ISO 9001
UL508
UkrSEPRO
UL File No.: E134360
Specification for general requirements: IEC/EN 61800-2
CSA-C22.2 No. 274-13
UL report applies to both US and Canada
Certified by UL for use in Canada
Safety requirements: IEC/EN 61800-5
UL Features & Functions
Features Temperature-controlled fan
Externally accessible fan
Parameterization: Fieldbus
Parameterization: Keypad
Parameterization: Power Xpert inControl General
Air volume capacity 260 m³/h Cable length 200 m, screened, maximum permissible, Motor feeder
C3 ≤ 50 m, Radio interference level, maximum motor cable length
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: Multi-line graphic display
Radio interference suppression filter
Internal DC link
Additional PCB protection
PC connection
Control unit
DC link choke
IGBT inverter Frame size FS4 Mounting position Vertical Number of slots 2 (expansion) Overvoltage category III Pollution degree 2 Product Category Variable frequency drives Protecti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34087FN-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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