

INDUSTRIAL COMPONENT DATA

DG1-35125FN-C54C 9703-5112-00P EATON ELECTRIC

Variable frequency drive, 500 V AC, 3-phase, 125 A, 75 kW, IP5..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35125FN-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35125FN-C54C
Catalog number	9703511200P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-07DF1A106F
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 125 A, 75 kW, IP54/NEMA12, DC link choke

DG1-35125FN-C54C

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 600$ V AC, 3-phase, Output voltage with V_e : $U_2 = 600$ V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500$ (-10%) - 600 (+10%) V, Rated operational current At 150% overload: $I_e = 125$ 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: $I_e = 144$ 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: $P = 75$ kW, 110 % Overload: $P = 90$ kW, 150 % Overload: $IM = 107$ A, 110 % Overload: $IM = 129$ A, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 90$ kW, 110 % Overload: $P = 110$ kW, 150 % Overload: $IM = 112$ A, 110 % Overload: $IM = 137$ A, Assigned motor rating Note: at 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 125$ HP, 110 % Overload: $P = 150$ HP, Assigned motor rating 150 % Overload: $IM = 99$ A, 110 % Overload: $IM = 125$ A , Degree of Protection: IP54/NE...

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 9703-5112-00P Model Code DG1-35125FN-C54C
EAN 4015081772513 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight
70.9 kg Certifications Specification for general requirements: IEC/EN 61800-2
UL File No.: E134360
UL508
CE
CUL
EAC
IEC/EN61800-5
UL Category Control No.: NMMS, NMMS7
UkrSEPRO
CSA-C22.2 No. 274-13
Safety requirements: IEC/EN 61800-5
Certified by UL for use in Canada
IEC/EN 61800-3
RoHS, ISO 9001
IEC/EN61800-3
UL
C-Tick
UL report applies to both US and Canada Features & Functions
Features Externally accessible fan
Parameterization: Fieldbus
Parameterization: Keypad
Parameterization: Power Xpert inControl General
Air volume capacity 395 m³/h Cable length C3 ≤ 10 m, Radio interference level, maximum motor cable length
200 m, screened, maximum permissible, Motor feeder Degree of protection IP54
NEMA 12 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Environmental class 3C2,
3S2 (Air quality) Fitted with: Internal DC link
IGBT inverter
Radio interference suppression filter
Additional PCB protection
Control unit
PC connection
DC link choke
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 Protection Finger and back-of-hand proof, Protection against
direct contact (BGV A3, VBG4) Radio...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35125FN-C54C 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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