INDUSTRIAL COMPONENT DATA

DG1-35125FN-C21C 9703-5012-00P EATON ELECTRIC Variable frequency drive, 500 V AC, 3-phase, 125 A, 75 kW, IP2..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35125FN-C21C

Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35125FN-C21C
Catalog number	9703501200P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-8D20E70CDA
Generated	2026-08-06

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 125 A, 75 kW, IP21/NEMA1, DC link choke
DG1-35125FN-C21C
Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: Ue = 600 V AC, 3-phase, Output voltage with Ve: U2 = 600 V AC, 3-phase, Mains voltage (50/60Hz): ULN = 500 (-10%) - 600 (+10%) V, Rated operational current At 150% overload: Ie = 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: Ie = 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: IP21/NEM...

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 9703-5012-00P Model Code DG1-35125FN-C21C EAN 4015081772407 Product Length/Depth 340.7 mm Product Height 888.5 mm Product Width 288 mm Product Weight 70.9 kg Certifications CE
Certified by UL for use in Canada
IEC/EN 61800-3
EAC
IEC/EN61800-5
CUL
Specification for general requirements: IEC/EN 61800-2
UL508
Safety requirements: IEC/EN 61800-5
CSA-C22.2 No. 274-13
C-Tick
IEC/EN61800-3
UL Category Control No.: NMMS, NMMS7
UL report applies to both US and Canada
RoHS, ISO 9001
UL
UkrSEPRO
UL File No.: E134360 Features & Functions
Features Externally accessible fan
Parameterization: Fieldbus
Parameterization: Keypad
Parameterization: Power Xpert inControl General
Air volume capacity 395 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: Radio interference suppression filter
DC link choke
Control unit
Internal DC link
PC connection
IGBT inverter
Additional PCB protection
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-C21C with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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