

INDUSTRIAL COMPONENT DATA

DG1-35590FN-C00C 3-4918-307A EATON ELECTRIC Variable frequency drive, 600 V AC, 3-phase, 590 A, 400 kW, IP00..

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-35590FN-C00C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-35590FN-C00C
Catalog number	3-4918-307A
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-82AEACFA61
Generated	2026-08-06

Product Overview

Variable frequency drive, 600 V AC, 3-phase, 590 A, 400 kW, IP00, DC link choke
Frequency converter; Ent: 3 x 600 V; Salt: 3 x 600 V; 590 A; 400 kW; IP00; DC link choke

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

Variable frequency drive, 600 V AC, 3-phase, 590 A, 400 kW, IP00, DC link choke Frequency inverter, Part group reference (e.g. DIL): DG1, Rated operational voltage: Ue = 600 V AC, 3-phase, 690 V AC, 3-phase, Output voltage with Ve: U2 = 600 V AC, 3-phase, 690 V AC, 3-phase, Mains voltage (50/60Hz): ULN = 500 (-10%) - 600 (+10%) V, Rated operational current At 150% overload: Ie = 590 A, Note: Rated operational current for a switching frequency of 1.5 - 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 = 650 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 = 400 kW, 110 % Overload: P = 450 kW, 150 % Overload: IM = 547 A, 110 % Overload: IM = 615 A, Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload: P = 450 kW, 110 % Overload: P = 500 kW, 150 % Overload: IM = 535 A, 110 % Overload: IM = 627 A, Assigned motor rating Note: at 690 V, 60 Hz, Assigned motor rating 150 % Overload: P = 700 HP, 110 % Overload: P = 700 HP, Assigned motor rating 150 % Overload: IM = 550 A, 110 % Overload: IM = 550 A, Degree of Protection: IP00, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Ethernet IP, Field...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35590FN-C00C 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.