

**INDUSTRIAL COMPONENT DATA**

# DG1-35590FB-C00C 3-4918-308A EATON ELECTRIC Variable frequency drive, 600 V AC, 3-phase, 590 A, 400 kW, IP00..

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



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DG1-35590FB-C00C                   |
| Catalog number  | 3-4918-308A                        |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-8C9BFC52B3                      |
| Generated       | 2026-08-06                         |

## Product Overview

Variable frequency drive, 600 V AC, 3-phase, 590 A, 400 kW, IP00, Brake chopper, DC link choke  
Frequency converter; Ent: 3 x 600 V; Salt: 3 x 600 V; 590 A; 400 kW; IP00; Transistor braking; 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, Brake chopper, DC link choke Frequency inverter, Part group reference (e.g. DIL): DG1, Rated operational voltage:  $U_e = 600 \text{ V AC}$ , 3-phase, 690 V AC, 3-phase, Output voltage with  $V_e$ :  $U_2 = 600 \text{ V AC}$ , 3-phase, 690 V AC, 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 500 (-10\%) - 600 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 590 \text{ A}$ , 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:  $I_e = 650 \text{ A}$ , 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:  $P = 400 \text{ kW}$ , 110 % Overload:  $P = 450 \text{ kW}$ , 150 % Overload:  $I_M = 547 \text{ A}$ , 110 % Overload:  $I_M = 615 \text{ A}$ , Assigned motor rating Note: at 600 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 450 \text{ kW}$ , 110 % Overload:  $P = 500 \text{ kW}$ , 150 % Overload:  $I_M = 535 \text{ A}$ , 110 % Overload:  $I_M = 627 \text{ A}$ , Assigned motor rating Note: at 690 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 700 \text{ HP}$ , 110 % Overload:  $P = 700 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 550 \text{ A}$ , 110 % Overload:  $I_M = 550 \text{ A}$ , Degree of Protection: IP00, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Eth...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-35590FB-C00C with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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