

INDUSTRIAL COMPONENT DATA

DC1-34039FB-A6SOE1 199448 Y7-199448 EATON ELECTRIC DC1-34039FB-A6SOE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34039FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34039FB-A6SOE1
Catalog number	Y7-199448
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DA08F87247
Generated	2026-08-05

Product Overview

DC1-34039FB-A6SOE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 39 A, 18.5 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS4 Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-10\%) - 480 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 39 \text{ A}$, Note: Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of $+40^\circ \text{C}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For normal internally and externally ventilated four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm at 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 18.5 \text{ kW}$, 150 % Overload: $I_M = 39 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 25 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 39 \text{ A}$, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, Brake chopper, 7-digital display assem...

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 DC1 Variable frequency drive Catalog Number 199448 Model Code DC1-34039FB-A6SOE1 EAN 4015081978373 Product Length/Depth 275 mm Product Height 360 mm Product Width 240 mm Product Weight 9.5 kg

Certifications UL report applies to both US and Canada

CE marking

Certified by UL for use in Canada

CE

IEC/EN 61800-2

RCM

UL Listed

UL File No.: E172143

CUL

CSA-C22.2 No. 14

IEC/EN 61800-5-1

RoHS, ISO 9001

UL

IEC/EN 61800-3

IEC/EN61800-5

UL 508C

UL Category Control No.: NMMS, NMMS7

UkrSEPRO

EAC Catalog Notes Features & Functions

Features Parameterization: drivesConnect mobile (App)

Parameterization: drivesConnect

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Internal DC link

Additional PCB protection

Breaking resistance

7-digital display assembly

IGBT inverter

PC connection

UV resistance

Control unit

Brake chopper

Radio interference suppression filter

Local controls Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible cable length

C3 <= 25 m, maximum motor cable length

C2 <= 5 m, maximum motor cable length

100 m, screened, maximum permissible cable length

200 m, screened, with motor choke, maximum permissible cable length

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface OP-Bus (RS485), built in

SmartWire-DT, optional

Modbus RTU, built in

CANopen®, built in Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Electromagnetic co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34039FB-A6SOE1 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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