

INDUSTRIAL COMPONENT DATA

DC1-344D1FB-A6SOE1 199434 Y7-199434 EATON ELECTRIC DC1-344D1FB-A6SOE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-344D1FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-344D1FB-A6SOE1
Catalog number	Y7-199434
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-30C743D805
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Product Overview

DC1-344D1FB-A6SOE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS2

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: $I_e = 4.1 \text{ A}$, 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: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 3.6 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 3.4 \text{ A}$, 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 asse...

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 199434 Model Code DC1-344D1FB-A6SOE1 EAN 4015081978236 Product Length/Depth 182 mm Product Height 257 mm Product Width 188 mm Product Weight 3.5 kg

Certifications CUL

IEC/EN 61800-2

RoHS, ISO 9001

CE

UkrSEPRO

CSA-C22.2 No. 14

Certified by UL for use in Canada

UL report applies to both US and Canada

EAC

IEC/EN 61800-3

IEC/EN61800-5

UL Listed

CE marking

UL

UL 508C

UL Category Control No.: NMMS, NMMS7

RCM

IEC/EN 61800-5-1

UL File No.: E172143 Catalog Notes Features & Functions

Features Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App) Fitted with: Additional PCB protection

UV resistance

PC connection

Breaking resistance

Control unit

7-digital display assembly

Brake chopper

Local controls

IGBT inverter

Radio interference suppression filter

Internal DC link Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible cable length

C3 <= 25 m, maximum motor cable length

100 m, screened, maximum permissible cable length

300 m, unscreened, with motor choke, maximum permissible, Motor feeder

C2 <= 5 m, maximum motor cable length

200 m, screened, with motor choke, maximum permissible cable length Communication interface SmartWire-DT, optional

Modbus RTU, built in

OP-Bus (RS485), 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 / DC1-344D1FB-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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