

INDUSTRIAL COMPONENT DATA

**DC1-322D3FN-A6SOE1 199412 Y7-199412 EATON ELECTRIC
DC1-322D3FN-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-322D3FN-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-322D3FN-A6SOE1
Catalog number	Y7-199412
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-73760992CD
Generated	2026-08-04

Product Overview

DC1-322D3FN-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 2.3 A, 0.37 kW, IP66/NEMA 4X, Radio interference suppression filter, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 2.3 \text{ A}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 0.37 \text{ kW}$, 150 % Overload: $I_M = 2 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 0.5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 2.2 \text{ A}$, 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, 7-digital display assembly, Local controls, Additi...

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 DC1 Variable frequency drive Catalog Number 199412 Model Code DC1-322D3FN-A6SOE1 EAN 4015081978014 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications IEC/EN 61800-2

UL File No.: E172143

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

CE

RCM

UkrSEPRO

UL Listed

CE marking

UL

UL 508C

UL report applies to both US and Canada

CSA-C22.2 No. 14

Certified by UL for use in Canada

IEC/EN61800-5

CUL

RoHS, ISO 9001

IEC/EN 61800-5-1

EAC Catalog Notes Features & Functions

Features Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus Fitted with: Additional PCB protection

Control unit

Internal DC link

IGBT inverter

7-digital display assembly

UV resistance

Local controls

Radio interference suppression filter

PC connection General

Cable length 100 m, screened, with motor choke, maximum permissible, Motor feeder

50 m, screened, maximum permissible, Motor feeder

75 m, unscreened, maximum permissible, Motor feeder

150 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

OP-Bus (RS485), built in

Modbus RTU, built in

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

NEMA 4X Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size FS1 Mounting position Vertical Product category Variable frequency drives....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-322D3FN-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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