

INDUSTRIAL COMPONENT DATA

DC1-124D3FN-A6SOE1 199402 Y7-199402 EATON ELECTRIC DC1-124D3FN-A6SOE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-124D3FN-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-124D3FN-A6SOE1
Catalog number	Y7-199402
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-94104B971C
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Product Overview

DC1-124D3FN-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 4.3 A, 0.75 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: $U_e = 230 \text{ V AC}$, 1-phase, 240 V AC, single-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: $I_e = 4.3 \text{ A}$, 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: $P = 0.75 \text{ kW}$, 150 % Overload: $I_M = 3.2 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 4.2 \text{ A}$, 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, A...

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 199402 Model Code DC1-124D3FN-A6SOE1 EAN 4015081977918 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications UL File No.: E172143

IEC/EN 61800-3

IEC/EN61800-5

RoHS, ISO 9001

UL Listed

CUL

CE marking

UL report applies to both US and Canada

UL 508C

RCM

IEC/EN 61800-5-1

CSA-C22.2 No. 14

Certified by UL for use in Canada

IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

UkrSEPRO

EAC

CE

UL Catalog Notes Features & Functions

Features Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus Fitted with: 7-digital display assembly

UV resistance

Local controls

Internal DC link

PC connection

Radio interference suppression filter

IGBT inverter

Control unit

Additional PCB protection General

Cable length 50 m, screened, maximum permissible, Motor feeder

75 m, unscreened, maximum permissible, Motor feeder

C2 ≤ 5 m, maximum motor cable length

C1 ≤ 1 m, maximum motor cable length

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

C3 ≤ 25 m, maximum motor cable length

100 m, screened, with motor choke, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

OP-Bus (RS485), built in

CANopen®, built in

Modbus RTU, built in Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Electromagnetic compatibility 1st and 2nd environments...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-124D3FN-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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