

INDUSTRIAL COMPONENT DATA

**DC1-124D3FN-A66OE1 199401 Y7-199401 EATON ELECTRIC
DC1-124D3FN-A66OE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-124D3FN-A66OE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-124D3FN-A66OE1
Catalog number	Y7-199401
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-AB60B5027A
Generated	2026-08-04

Product Overview

DC1-124D3FN-A66OE1

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, 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 °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, Additional PCB protection, UV res...

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 199401 Model Code DC1-124D3FN-A66OE1 EAN

4015081977901 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications CE marking

EAC

CSA-C22.2 No. 14

IEC/EN 61800-2

IEC/EN61800-5

UL File No.: E172143

RoHS, ISO 9001

UL

UL Category Control No.: NMMS, NMMS7

UkrSEPRO

UL Listed

Certified by UL for use in Canada

CE

IEC/EN 61800-3

IEC/EN 61800-5-1

UL 508C

CUL

RCM

UL report applies to both US and Canada Catalog Notes Features & Functions

Features Parameterization: Fieldbus

Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Keypad Fitted with: Internal DC link

PC connection

7-digital display assembly

Control unit

Radio interference suppression filter

Additional PCB protection

UV resistance

IGBT inverter General

Cable length 75 m, unscreened, maximum permissible, Motor feeder

C2 <= 5 m, maximum motor cable length

C3 <= 25 m, maximum motor cable length

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

C1 <= 1 m, maximum motor cable length

50 m, screened, maximum permissible, Motor feeder

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

CANopen®, built in

Modbus RTU, built in

SmartWire-DT, optional Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Electromagnetic compatibility 1st and 2nd environments (according to....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-124D3FN-A66OE1 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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